CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	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	TPE_5030	TPE_5030	TPE_5030	TPE_5031	TPE_5031	TPE_5032
			Depth (m)	0.50	1.50	2.30	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388769	9388778	9388786	9388794	9388803	9388810
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	104	98.8	124	102	99
Acenaphthene-d10 % recovery**	%	TM218		103	101	104	98.7	97.5	95.8
Phenanthrene-d10 % recovery**	%	TM218		102	98.2	103	87.9	84.4	94.8
Chrysene-d12 % recovery**	%	TM218		91.1	86.3	98.1	101	88.8	90.8
Perylene-d12 % recovery**	%	TM218		81.6	84.5	91	103	90.6	96.4
Naphthalene	<9 µg/kg	TM218		22.6 M	<9 M	<9 M	<45 M	250 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<60 M	128 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<40 M	113 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	82.5 M	128 M	<10 M
Phenanthrene	<15 µg/kg	TM218		288 M	91.9 M	358 M	204 M	505 M	93.4 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	265 M	767 M	<16 M
Fluoranthene	<17 µg/kg	TM218		23.4 M	<17 M	26.4 M	167 M	341 M	37.8 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	429 M	1020 M	35.3 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	143 M	341 M	<14 M
Chrysene	<10 µg/kg	TM218		81.7 M	<10 M	<10 M	206 M	196 M	63.2 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		69.4 M	<15 M	<15 M	310 M	381 M	85.4 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	90.7 M	146 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	158 M	193 M	20.8 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	138 M	192 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<115 M	<115 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	234 M	247 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		486	<118	384	2430	4950	336

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5032	TPE_5032	TPE_5032	TPE_5036	TPE_5036	TPE_5036
			Depth (m)	1.50	2.50	3.50	0.40	1.40	2.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388818	9388834	9388842	9388596	9388600	9388604
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	104	98.6	103	106	100
Acenaphthene-d10 % recovery**	%	TM218		104	110	96.3	94.9	108	97.9
Phenanthrene-d10 % recovery**	%	TM218		103	106	93.9	91	110	95.8
Chrysene-d12 % recovery**	%	TM218		84	102	76.1	94.3	97.1	92.9
Perylene-d12 % recovery**	%	TM218		77.5	95.1	72.9	100	99.5	90.5
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	164 M	35.6 M	148 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	167 M	51 M	43.3 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	276 M	62 M	560 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	545 M	132 M	1330 M
Phenanthrene	<15 µg/kg	TM218		79.3 M	162 M	43.8 M	1420 M	567 M	1560 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	856 M	352 M	502 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	468 M	1200 M	150 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	809 M	1350 M	204 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	263 M	516 M	39.5 M
Chrysene	<10 µg/kg	TM218		35.1 M	<10 M	23.7 M	619 M	584 M	72.6 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		19.9 M	<15 M	19 M	632 M	902 M	70.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	250 M	313 M	22.9 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	737 M	542 M	37.7 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	783 M	359 M	29.7 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	205 M	100 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	1200 M	474 M	34.3 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		134	162	<118	9390	7540	4800

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5036	TPE_5037	TPE_5037	TPE_5037	TPE_5037	TPE_5038
			Depth (m)	5.90	0.40	1.40	2.60	3.90	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388608	9388612	9388618	9388622	9388626	9389136
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	97.8	114	103	100	96.4
Acenaphthene-d10 % recovery**	%	TM218		109	97.9	111	101	98.5	98.2
Phenanthrene-d10 % recovery**	%	TM218		111	99.5	112	100	96.1	94.3
Chrysene-d12 % recovery**	%	TM218		94.3	86.8	109	96.3	85.3	82.1
Perylene-d12 % recovery**	%	TM218		85	92.2	107	92.5	80.8	87
Naphthalene	<9 µg/kg	TM218		78.4 M	<9 M	65.6 M	72.1 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	75 M	55.8 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		249 M	<8 M	501 M	199 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		761 M	<10 M	1040 M	603 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		1170 M	80.6 M	1270 M	789 M	163 M	98.2 M
Anthracene	<16 µg/kg	TM218		367 M	<16 M	463 M	314 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		80.9 M	30 M	101 M	47.5 M	<17 M	37.3 M
Pyrene	<15 µg/kg	TM218		109 M	28.3 M	120 M	65.9 M	<15 M	34.3 M
Benz(a)anthracene	<14 µg/kg	TM218		20.2 M	<14 M	<14 M	18.8 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		47.7 M	45.9 M	65 M	58 M	<10 M	65.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		52.8 M	65.8 M	77.8 M	60.5 M	<15 M	101 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		18.1 M	18.7 M	19 M	<15 M	<15 M	27.2 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	29.3 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	35.3 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2950	269	3870	2280	163	364

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5038	TPE_5038	TPE_5038	TPE_5043	TPE_5043	TPE_5043
			Depth (m)	1.50	2.80	4.20	0.10	1.20	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389140	9389144	9389148	9389099	9389104	9389108
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	100	99.9	122	114	121
Acenaphthene-d10 % recovery**	%	TM218		99.8	99.6	99	115	119	109
Phenanthrene-d10 % recovery**	%	TM218		97.5	96.8	97.2	98	98.6	102
Chrysene-d12 % recovery**	%	TM218		87.9	88.1	85.5	101	104	112
Perylene-d12 % recovery**	%	TM218		85	85.3	78.6	106	110	123
Naphthalene	<9 µg/kg	TM218		13.4 M	<9 M	52.6 M	171 M	<9 M	96.2 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	231 M	<12 M	49.7 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	175 M	<8 M	110 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	188 M	<10 M	677 M
Phenanthrene	<15 µg/kg	TM218		97 M	44.8 M	161 M	836 M	110 M	1120 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	630 M	55.8 M	488 M
Fluoranthene	<17 µg/kg	TM218		122 M	<17 M	20.2 M	325 M	43.1 M	108 M
Pyrene	<15 µg/kg	TM218		93 M	<15 M	<15 M	1220 M	89.1 M	161 M
Benz(a)anthracene	<14 µg/kg	TM218		55.1 M	<14 M	16.9 M	185 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		62.1 M	15.8 M	51.5 M	352 M	<10 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		96.9 M	18.5 M	40 M	347 M	<15 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		33.6 M	<14 M	<14 M	107 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		43.4 M	<15 M	<15 M	246 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		33.6 M	<18 M	<18 M	168 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<115 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		41.7 M	<24 M	<24 M	265 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		691	<118	343	5440	298	2810

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5043	TPE_5044	TPE_5044	TPE_5044	TPE_5044	TPE_5045
			Depth (m)	4.00	0.10	1.20	2.60	4.00	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389112	9389116	9389124	9389128	9389132	9389152
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		121	92.8	99.7	102	108	103
Acenaphthene-d10 % recovery**	%	TM218		107	86.4	98.2	101	108	92.7
Phenanthrene-d10 % recovery**	%	TM218		98.7	85.5	95.4	97.9	106	84.5
Chrysene-d12 % recovery**	%	TM218		118	78.7	85.2	86.9	91.4	83.5
Perylene-d12 % recovery**	%	TM218		125	84.2	80.7	80.2	79.2	91.3
Naphthalene	<9 µg/kg	TM218		78.2 M	<9 M	<9 M	<9 M	43.9 M	14 M
Acenaphthylene	<12 µg/kg	TM218		53.1 M	<12 M	<12 M	<12 M	<12 M	27.7 M
Acenaphthene	<8 µg/kg	TM218		91.5 M	<8 M	<8 M	32 M	<8 M	23 M
Fluorene	<10 µg/kg	TM218		353 M	<10 M	<10 M	98.3 M	<10 M	86.3 M
Phenanthrene	<15 µg/kg	TM218		785 M	42.2 M	42.8 M	790 M	366 M	310 M
Anthracene	<16 µg/kg	TM218		236 M	<16 M	<16 M	146 M	<16 M	309 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	28.3 M	371 M	39.6 M	103 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	20.4 M	269 M	20.4 M	417 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	47.4 M	<14 M	25.4 M
Chrysene	<10 µg/kg	TM218		<10 M	32.3 M	30.7 M	34.5 M	107 M	119 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	34.9 M	32.2 M	<15 M	75.4 M	84.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	21.5 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	43.6 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1600	<118	154	1790	652	1580

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5045	TPE_5045	TPE_5045			
			Depth (m)	1.50	2.80	3.80			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	03/06/2014	03/06/2014	03/06/2014			
			Sample Time	.	.	.			
			Date Received	04/06/2014	04/06/2014	04/06/2014			
			SDG Ref	140604-97	140604-97	140604-97			
			Lab Sample No.(s)	9389156	9389161	9389169			
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.4	106	97.4			
Acenaphthene-d10 % recovery**	%	TM218		99.9	111	97.1			
Phenanthrene-d10 % recovery**	%	TM218		84.6	107	96			
Chrysene-d12 % recovery**	%	TM218		92.9	103	85.6			
Perylene-d12 % recovery**	%	TM218		98.2	106	80.6			
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	98.4 M	38.3 M			
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M			
Fluoranthene	<17 µg/kg	TM218		<17 M	22 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	19.8 M			
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	24 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	120	<118			

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_144	TPE_144	TPE_155	TPE_155	TPE_155	TPE_155
			Depth (m)	0.50	1.20	0.40	1.40	2.70	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388492	9388666	9389173	9389178	9389182	9389186
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		84	118	94	97	94	96
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	<176 M	61700 M	1830 M	531 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	12 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	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	66.6	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	417	113	66.1
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	15200	240	123
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	<40	21600	779	150
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	50.6	<40	10100	168	86.6
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	<40	14400	519	100
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		1270	<100	<100	327	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		833	<100	<100	162	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1270	<100	<100	327	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1280	<100	133	62000	1830	532

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_157	TPE_157	TPE_157	TPE_157	TPE_159	TPE_159
			Depth (m)	0.10	0.25	0.80	2.00	0.20	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388850	9388858	9388865	9388875	9388885	9388894
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		81	83	105	111	109	110
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	<176 M	<176 M	1610 M	7470 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	<9	<36	<36	<36	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24	<96	<96	<96	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	73.8
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	<40	232	857
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	<40	<40	704	3570
Aliphatics >C12-C16	<100 µg/kg	TM173		776	<100	<100	<100	18900	144000
Aliphatics >C16-C21	<100 µg/kg	TM173		283	<100	<100	<100	35500	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		1240	<100	4320	<100	38100	25100
Aliphatics >C35-C44	<100 µg/kg	TM173		1750	<100	2140	<100	7110	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		4040	<100	6460	<100	99600	169000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	<40	155	571
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	<40	<40	469	2380
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	8540	21200
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	691	<100	20100	32800
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	1820	4820	<100	35700	13000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	2590	<100	<100	9770	2150
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	992	<100	<100	3460	738
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	4410	5510	<100	74100	69000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		4050	4430	12000	<100	175000	246000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_159	TPE_5005	TPE_5006	TPE_5006	TPE_5006	TPE_5007
			Depth (m)	2.00	0.50	0.30	1.50	2.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388903	9388739	9388826	9388923	9389024	9389074
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		86	87	82	73	71	84
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		37700 M	<176 M	6340 M	18300 M	25200 M	356 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	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<96	<96	<24	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		50.7	<40	172	146	397	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		3080	<40	862	2320	3440	55.8
Aliphatics >C10-C12	<10 µg/kg	TM089		19500	<40	2830	8590	11400	133
Aliphatics >C12-C16	<100 µg/kg	TM173		748000	498	241000	974000	657000	5110
Aliphatics >C16-C21	<100 µg/kg	TM173		783000	6140	812000	1440000	906000	22600
Aliphatics >C21-C35	<100 µg/kg	TM173		263000	10800	881000	65000	42900	28100
Aliphatics >C35-C44	<100 µg/kg	TM173		3120	<100	71300	1110	1290	4350
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1800000	17400	2000000	2480000	1610000	60100
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		2070	<40	574	1550	2290	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		13000	<40	1890	5730	7610	89.7
Aromatics >EC12-EC16	<100 µg/kg	TM173		295000	1030	111000	<200	179000	984
Aromatics >EC16-EC21	<100 µg/kg	TM173		299000	4040	424000	<200	371000	9640
Aromatics >EC21-EC35	<100 µg/kg	TM173		111000	7760	484000	12600	31800	11500
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	2620	85200	<200	7990	1810
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	1330	31000	<200	3490	625
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		705000	15400	1100000	12600	589000	24000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2540000	32900	3120000	2510000	2220000	84500

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5007	TPE_5007	TPE_5007	TPE_5008	TPE_5008	TPE_5008
			Depth (m)	1.50	2.80	3.80	0.50	1.30	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389120	9389165	9388496	9388540	9388584	9388630
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		80	79	82	69	89	57
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1290 M	211 M	31900 M	3020 M	1410 M	430 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	<9	<9	<36	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24	<24	<96	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	426	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	4960	316	98.8	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		108	40.3	8820	283	122	41.1
Aliphatics >C10-C12	<10 µg/kg	TM089		630	40.3	7050	1310	656	188
Aliphatics >C12-C16	<100 µg/kg	TM173		47600	2920	10500	169000	30400	77000
Aliphatics >C16-C21	<100 µg/kg	TM173		194000	14400	27700	558000	53800	361000
Aliphatics >C21-C35	<100 µg/kg	TM173		220000	18700	26600	552000	41600	409000
Aliphatics >C35-C44	<100 µg/kg	TM173		14800	3680	674	68200	4490	43300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		477000	39700	65400	1350000	130000	890000
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		84.7	70.6	5880	189	81	43.3
Aromatics >EC10-EC12	<10 µg/kg	TM089		420	<40	4700	875	437	125
Aromatics >EC12-EC16	<100 µg/kg	TM173		19100	1340	6190	60000	10100	18400
Aromatics >EC16-EC21	<100 µg/kg	TM173		98100	7300	14700	326000	33400	157000
Aromatics >EC21-EC35	<100 µg/kg	TM173		116000	9510	11800	467000	39500	275000
Aromatics >EC35-EC44	<100 µg/kg	TM173		20500	2910	3300	112000	8830	38600
Aromatics >EC40-EC44	<100 µg/kg	TM173		7810	1260	1580	43500	3270	13000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		254000	21100	35900	964000	91800	489000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		732000	60900	133000	2310000	223000	1380000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5008	TPE_5008	TPE_5009	TPE_5009	TPE_5010	TPE_5010
			Depth (m)	3.50	4.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388635	9388641	9388645	9388649	9388654	9388662
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		16	46	79	102	106	73
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	19200 M	62500 M	952 M	6620 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	53.7 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	53.7	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	544	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	677	9830	63.3	42.7
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	2250	16500	115	286
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	8860	14700	399	3650
Aliphatics >C12-C16	<100 µg/kg	TM173		857	2920	492000	875000	38700	184000
Aliphatics >C16-C21	<100 µg/kg	TM173		3760	7120	555000	1230000	86700	229000
Aliphatics >C21-C35	<100 µg/kg	TM173		4070	8330	151000	292000	17900	171000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	2730	3930	5950	3570	16800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		8690	21100	1200000	2400000	147000	601000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	53.7	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	1500	11000	94.9	206
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	5910	9790	266	2430
Aromatics >EC12-EC16	<100 µg/kg	TM173		1660	753	191000	369000	4650	43000
Aromatics >EC16-EC21	<100 µg/kg	TM173		2970	3190	298000	619000	26600	109000
Aromatics >EC21-EC35	<100 µg/kg	TM173		5160	3750	105000	211000	17000	109000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	440	8730	17900	7860	20900
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	3520	7280	3460	8020
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		9790	8130	602000	1220000	56200	282000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		18600	29200	1820000	3680000	204000	890000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5010	TPE_5010	TPE_5011	TPE_5011	TPE_5012	TPE_5012
			Depth (m)	2.50	3.50	0.50	1.50	0.60	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388674	9388679	9388686	9388694	9389191	9389195
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		90	81	76	123	83	97
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1980 M	4790 M	6460 M	136000 M	<176 M	1440 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	615 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	247 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<36	<36	<36	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<96	<96	247	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	53.3	222	<40	68.3
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	64	788	36700	<40	159
Aliphatics >C8-C10	<10 µg/kg	TM089		153	299	1640	39300	<40	211
Aliphatics >C10-C12	<10 µg/kg	TM089		1000	2520	1730	19600	<40	511
Aliphatics >C12-C16	<100 µg/kg	TM173		30100	106000	216000	632000	10000	1290
Aliphatics >C16-C21	<100 µg/kg	TM173		36100	122000	804000	857000	66100	3030
Aliphatics >C21-C35	<100 µg/kg	TM173		24400	77700	904000	227000	75800	7710
Aliphatics >C35-C44	<100 µg/kg	TM173		5160	5810	108000	1500	15000	1230
Total Aliphatics >C12-C44	<100 µg/kg	TM173		95800	311000	2030000	1720000	167000	13300
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	247	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		105	203	1090	26200	<40	149
Aromatics >EC10-EC12	<10 µg/kg	TM089		669	1680	1150	13100	<40	340
Aromatics >EC12-EC16	<100 µg/kg	TM173		7020	28000	71300	227000	2520	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		15500	66100	467000	418000	20800	508
Aromatics >EC21-EC35	<100 µg/kg	TM173		13800	59400	654000	121000	69500	5980
Aromatics >EC35-EC44	<100 µg/kg	TM173		5790	9850	116000	7670	27700	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		2810	3620	41500	2990	10800	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		42100	163000	1310000	773000	120000	6490
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		140000	479000	3350000	2630000	287000	21200

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5013	TPE_5013	TPE_5013	TPE_5013	TPE_5013	TPE_5014
			Depth (m)	0.20	1.30	2.30	3.50	4.50	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389199	9389203	9389207	9388500	9388504	9388508
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		80	94	110	150	178	100
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		28700 M	1000 M	57300 M	283000 M	270000 M	45100 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 M	<20 M	<20 M	<20 M	<20 M	<100 M
Benzene	<10 µg/kg	TM089		<200 M	<40 M	<40 M	82.9 M	165 M	<200 M
Toluene	<2 µg/kg	TM089		<40 M	<8 M	<8 M	<8 M	<8 M	<40 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	25.9 M	<12 M	<12 M	<12 M	<60 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<24 M	<24 M	<24 M	<24 M	<120 M
o-Xylene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	<12 M	<60 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<180	<9	<9	<9	<9	<180
sum of detected BTEX by GC	<24 µg/kg	TM089		<480	25.9	<24	82.9	165	<480
Aliphatics >C5-C6	<10 µg/kg	TM089		<200	63.8	88.5	1060	2880	461
Aliphatics >C6-C8	<10 µg/kg	TM089		1520	141	2330	54200	66900	1790
Aliphatics >C8-C10	<10 µg/kg	TM089		4360	259	16400	93200	76700	10200
Aliphatics >C10-C12	<10 µg/kg	TM089		11900	201	16500	43300	43200	15600
Aliphatics >C12-C16	<100 µg/kg	TM173		1460000	<100	7120	75000	41700	613000
Aliphatics >C16-C21	<100 µg/kg	TM173		5730000	4440	17300	53900	62500	2530000
Aliphatics >C21-C35	<100 µg/kg	TM173		7930000	6290	22500	15600	48100	3340000
Aliphatics >C35-C44	<100 µg/kg	TM173		892000	<100	2150	<100	3040	399000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		16000000	10700	49100	144000	155000	6880000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	<40	<40	82.9	165	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		2900	204	10900	62100	51100	6770
Aromatics >EC10-EC12	<10 µg/kg	TM089		7910	134	11000	28900	28800	10400
Aromatics >EC12-EC16	<100 µg/kg	TM173		598000	<100	<100	13400	15100	268000
Aromatics >EC16-EC21	<100 µg/kg	TM173		3600000	2950	11700	14200	34000	1320000
Aromatics >EC21-EC35	<100 µg/kg	TM173		5090000	2930	19200	10500	30700	1830000
Aromatics >EC35-EC44	<100 µg/kg	TM173		817000	<100	5700	3790	4810	292000
Aromatics >EC40-EC44	<100 µg/kg	TM173		300000	<100	2020	1530	1780	104000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		10100000	5880	36600	41900	84600	3710000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		26100000	17600	143000	469000	510000	10600000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5014	TPE_5014	TPE_5014	TPE_5015	TPE_5015	TPE_5015
			Depth (m)	1.50	2.70	4.00	0.30	1.30	2.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388512	9388516	9388520	9388524	9388528	9388532
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		126	84	107	94	112	85
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		164000 M	1900000 M	12400 M	12400 M	72400 M	8620 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<100 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	443 M	496 M	<40 M	<40 M	77.7 M
Toluene	<2 µg/kg	TM089		<8 M	<40 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	120 M	<12 M	13.9 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<120 M	<24 M	<24 M	<24 M	42.9 M
o-Xylene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	<12 M	<12 M	114 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<9	<36	<9	<9	157
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	443	496	120	<24	249
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	5130	628	<40	282	710
Aliphatics >C6-C8	<10 µg/kg	TM089		6720	398000	4090	263	13800	3930
Aliphatics >C8-C10	<10 µg/kg	TM089		43400	601000	2530	2850	23400	1290
Aliphatics >C10-C12	<10 µg/kg	TM089		51000	294000	1770	4330	11600	948
Aliphatics >C12-C16	<100 µg/kg	TM173		62200	61000	2860	25100	30300	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		7340	8720	<100	93400	24900	4210
Aliphatics >C21-C35	<100 µg/kg	TM173		5260	9950	<100	83100	1410	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		303	1290	<100	11200	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		75100	80900	2860	213000	56600	4210
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	443	496	<40	<40	77.7
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		28900	401000	1690	2020	15600	1030
Aromatics >EC10-EC12	<10 µg/kg	TM089		34000	196000	1180	2890	7710	632
Aromatics >EC12-EC16	<100 µg/kg	TM173		24900	23400	2410	6610	9520	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1890	1560	1280	70400	18200	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	176000	20800	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	54900	3860	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	20100	1150	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		26800	25000	3700	308000	52400	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		266000	2000000	18900	533000	181000	12800

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5015	TPE_5016	TPE_5016	TPE_5016	TPE_5016	TPE_5017
			Depth (m)	3.80	0.20	1.20	3.50	3.80	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388536	9388544	9388548	9388552	9388556	9388560
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		133	74	128	139	171	114
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		258000 M	3030 M	192000 M	77600 M	3940000 3 M	3830 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<100 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	101 M	<200 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<40 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<60 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<120 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<60 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24	<24	101	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		11100	<40	472	2270	401000 3	176
Aliphatics >C6-C8	<10 µg/kg	TM089		112000	136	15600	32200	1810000 3	850
Aliphatics >C8-C10	<10 µg/kg	TM089		58000	366	42800	17900	783000 3	984
Aliphatics >C10-C12	<10 µg/kg	TM089		22800	1360	62900	7890	254000 3	699
Aliphatics >C12-C16	<100 µg/kg	TM173		230000	76800	<100	<100	159000	6430
Aliphatics >C16-C21	<100 µg/kg	TM173		184000	328000	336000	62700	118000	19400
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	426000	72600	12600	7950	16900
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	49900	2240	<100	<100	629
Total Aliphatics >C12-C44	<100 µg/kg	TM173		415000	881000	411000	75400	285000	43400
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	101	<200 3	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<200 3	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		38600	244	28500	12000	522000 3	656
Aromatics >EC10-EC12	<10 µg/kg	TM089		15200	906	41900	5260	169000 3	466
Aromatics >EC12-EC16	<100 µg/kg	TM173		102000	32900	130000	16300	79300	1990
Aromatics >EC16-EC21	<100 µg/kg	TM173		61900	191000	109000	20900	56000	8870
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	245000	30600	7760	8260	18400
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	38700	1860	294	1570	3820
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	13800	470	<100	588	653
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		164000	508000	271000	45200	145000	33100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		836000	1390000	874000	198000	4370000	80400

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5017	TPE_5017	TPE_5017	TPE_5018	TPE_5018	TPE_5018
			Depth (m)	1.30	2.80	3.90	0.30	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388564	9388568	9388572	9388576	9388580	9388588
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		74	97	141	93	116	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		535000 M	644000 M	812000 M	17300 M	373000 M	23100 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<50 M	<50 M	<100 M	<20 M	<50 M	98.3 M
Benzene	<10 µg/kg	TM089		284 M	<100 M	293 M	<40 M	575 M	<40 M
Toluene	<2 µg/kg	TM089		<20 M	<20 M	<40 M	<8 M	<20 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<30 M	<30 M	<60 M	<12 M	<30 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<60 M	<60 M	<120 M	<24 M	<60 M	<24 M
o-Xylene	<3 µg/kg	TM089		<30 M	<30 M	<60 M	<12 M	<30 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<36	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		284	<24	293	<96	575	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		14800	10300	21000	139	11900	312
Aliphatics >C6-C8	<10 µg/kg	TM089		168000	173000	251000	805	130000	3480
Aliphatics >C8-C10	<10 µg/kg	TM089		139000	182000	201000	2210	79000	5110
Aliphatics >C10-C12	<10 µg/kg	TM089		72600	94600	123000	7580	59300	6390
Aliphatics >C12-C16	<100 µg/kg	TM173		449000	333000	309000	39300	1310000	324000
Aliphatics >C16-C21	<100 µg/kg	TM173		1210000	252000	219000	245000	909000	234000
Aliphatics >C21-C35	<100 µg/kg	TM173		1520000	44300	29100	354000	74400	23200
Aliphatics >C35-C44	<100 µg/kg	TM173		168000	460	1240	35600	151	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3350000	630000	558000	675000	2300000	582000
Aromatics >EC5-EC7	<10 µg/kg	TM089		284	<100	293	<40	575	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<100	<100	<200	<40	<100	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		92400	121000	134000	1470	52700	3410
Aromatics >EC10-EC12	<10 µg/kg	TM089		48400	63100	81900	5060	39600	4260
Aromatics >EC12-EC16	<100 µg/kg	TM173		810000	164000	130000	12000	717000	163000
Aromatics >EC16-EC21	<100 µg/kg	TM173		4070000	127000	91300	135000	526000	125000
Aromatics >EC21-EC35	<100 µg/kg	TM173		6200000	41000	11500	267000	56400	18000
Aromatics >EC35-EC44	<100 µg/kg	TM173		1030000	6760	904	45700	<200	1540
Aromatics >EC40-EC44	<100 µg/kg	TM173		378000	2630	<100	16300	<200	472
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		12100000	338000	233000	459000	1300000	307000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		16000000	1610000	1600000	1150000	3970000	912000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5018	TPE_5019	TPE_5019	TPE_5021	TPE_5021	TPE_5021
			Depth (m)	3.80	0.50	1.50	0.10	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388592	9388701	9388706	9388914	9388931	9388941
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		132	79	83	82	109	94
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		147000 M	103000 M	55200 M	516 M	527 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<5 M
Benzene	<10 µg/kg	TM089		143 M	435 M	205 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<36	<9	<36	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		143	435	205	<96	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		6220	17100	1860	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		55300	66600	22700	<40	74.4	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		33700	1540	3390	61.5	77.7	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		17600	9760	14800	223	186	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		247000	1330000	369000	90300	63600	5280
Aliphatics >C16-C21	<100 µg/kg	TM173		236000	1860000	417000	430000	276000	23800
Aliphatics >C21-C35	<100 µg/kg	TM173		112000	314000	84800	774000	420000	39200
Aliphatics >C35-C44	<100 µg/kg	TM173		8360	4260	2110	99000	54700	7920
Total Aliphatics >C12-C44	<100 µg/kg	TM173		604000	3510000	873000	1390000	814000	76200
Aromatics >EC5-EC7	<10 µg/kg	TM089		143	435	205	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		22400	1030	2260	40.6	52.2	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		11800	6510	9900	148	124	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		117000	362000	131000	30100	33900	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		128000	854000	203000	289000	199000	10900
Aromatics >EC21-EC35	<100 µg/kg	TM173		101000	279000	64100	679000	310000	19100
Aromatics >EC35-EC44	<100 µg/kg	TM173		19200	29200	7640	154000	60100	2710
Aromatics >EC40-EC44	<100 µg/kg	TM173		7360	12400	2860	56900	22900	901
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		365000	1520000	406000	1150000	602000	32700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1120000	5140000	1330000	2550000	1420000	109000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5022	TPE_5022	TPE_5022	TPE_5023	TPE_5023	TPE_5023
			Depth (m)	0.20	1.50	2.50	0.30	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388953	9388968	9388979	9388986	9388994	9389003
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		57	91	78	29	74	88
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		73.7 M	31900 M	10300 M	334 M	616 M	1620 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<100 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<10 M	<200 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<2 M	<40 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<60 M	14.2 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<120 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<3 M	<60 M	19.6 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<180	<36	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<480	<96	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<200	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		12.1	534	<40	45.5	<40	53.1
Aliphatics >C8-C10	<10 µg/kg	TM089		12.1	3870	432	48.1	71.4	214
Aliphatics >C10-C12	<10 µg/kg	TM089		20.1	14900	5670	113	273	718
Aliphatics >C12-C16	<100 µg/kg	TM173		458000	1260000	13300	176000	70800	107000
Aliphatics >C16-C21	<100 µg/kg	TM173		2350000	4210000	30500	1600000	456000	418000
Aliphatics >C21-C35	<100 µg/kg	TM173		4000000	5230000	34400	3050000	840000	489000
Aliphatics >C35-C44	<100 µg/kg	TM173		524000	603000	2380	419000	125000	83400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		7330000	11300000	80500	5250000	1490000	1100000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<200	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<200	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	2580	340	<40	47.2	145
Aromatics >EC10-EC12	<10 µg/kg	TM089		13.4	9930	3780	75.4	182	478
Aromatics >EC12-EC16	<100 µg/kg	TM173		120000	745000	<100	36700	18100	38400
Aromatics >EC16-EC21	<100 µg/kg	TM173		1560000	2860000	<100	954000	253000	301000
Aromatics >EC21-EC35	<100 µg/kg	TM173		3880000	3340000	<100	3400000	764000	665000
Aromatics >EC35-EC44	<100 µg/kg	TM173		712000	492000	<100	726000	188000	209000
Aromatics >EC40-EC44	<100 µg/kg	TM173		253000	178000	<100	264000	69600	81200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		6270000	7440000	<100	5120000	1220000	1210000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		13600000	18800000	90800	10400000	2720000	2310000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5023	TPE_5024	TPE_5024	TPE_5024	TPE_5024	TPE_5025
			Depth (m)	3.00	0.10	1.20	2.20	3.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389011	9389016	9389028	9389033	9389038	9389043
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		67	58	67	93	98	107
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		33700 M	6580 M	5550 M	89300 M	16600 M	1880 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<100 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<200 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<40 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<120 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<180	<9	<36	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<480	<24	<96	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<200	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		137	237	208	368	71	87.1
Aliphatics >C8-C10	<10 µg/kg	TM089		2810	663	456	11300	1060	186
Aliphatics >C10-C12	<10 µg/kg	TM089		17300	3110	2740	42000	8840	872
Aliphatics >C12-C16	<100 µg/kg	TM173		1040000	771000	632000	560000	207000	90500
Aliphatics >C16-C21	<100 µg/kg	TM173		1170000	3700000	2720000	268000	187000	581000
Aliphatics >C21-C35	<100 µg/kg	TM173		263000	5700000	3530000	21100	95200	924000
Aliphatics >C35-C44	<100 µg/kg	TM173		22700	743000	438000	104	7810	123000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2500000	10900000	7330000	850000	497000	1720000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<200	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		1880	443	304	7530	710	129
Aromatics >EC10-EC12	<10 µg/kg	TM089		11500	2070	1820	28000	5890	582
Aromatics >EC12-EC16	<100 µg/kg	TM173		384000	426000	335000	112000	41000	19100
Aromatics >EC16-EC21	<100 µg/kg	TM173		752000	3170000	1740000	97900	79900	301000
Aromatics >EC21-EC35	<100 µg/kg	TM173		373000	5820000	2110000	1110	78600	766000
Aromatics >EC35-EC44	<100 µg/kg	TM173		82800	996000	325000	<100	16100	143000
Aromatics >EC40-EC44	<100 µg/kg	TM173		33300	347000	119000	<100	6240	51400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1590000	10400000	4500000	211000	216000	1230000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		4120000	21300000	11800000	1150000	729000	2950000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5025	TPE_5025	TPE_5025	TPE_5026	TPE_5026	TPE_5026
			Depth (m)	1.20	2.20	3.20	0.10	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389048	9389053	9389057	9389061	9389065	9389070
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		49	61	87	100	126	84
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2590 M	25300 M	80000 M	1260 M	5020 M	84300 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	60.4 M	48.6 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<36	<9	<9	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	60.4	<96	<24	<24	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		158	4200	398	<40	119	720
Aliphatics >C6-C8	<10 µg/kg	TM089		372	4670	16400	107	393	6410
Aliphatics >C8-C10	<10 µg/kg	TM089		322	3170	15400	145	864	13600
Aliphatics >C10-C12	<10 µg/kg	TM089		915	6650	22500	537	1840	32700
Aliphatics >C12-C16	<100 µg/kg	TM173		756000	385000	896000	208000	36600	1480000
Aliphatics >C16-C21	<100 µg/kg	TM173		3250000	580000	693000	1080000	148000	1040000
Aliphatics >C21-C35	<100 µg/kg	TM173		4550000	1420000	1000000	1430000	136000	173000
Aliphatics >C35-C44	<100 µg/kg	TM173		523000	347000	222000	172000	21600	4710
Total Aliphatics >C12-C44	<100 µg/kg	TM173		9070000	2730000	2810000	2900000	342000	2700000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	60.4	48.6	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		215	2110	10300	96.3	577	9050
Aromatics >EC10-EC12	<10 µg/kg	TM089		609	4440	15000	357	1230	21800
Aromatics >EC12-EC16	<100 µg/kg	TM173		371000	116000	290000	95200	10500	420000
Aromatics >EC16-EC21	<100 µg/kg	TM173		1970000	347000	297000	597000	52000	412000
Aromatics >EC21-EC35	<100 µg/kg	TM173		2710000	1140000	644000	905000	125000	145000
Aromatics >EC35-EC44	<100 µg/kg	TM173		565000	332000	226000	157000	52300	29700
Aromatics >EC40-EC44	<100 µg/kg	TM173		219000	114000	89900	56500	19800	11300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		5620000	1940000	1460000	1750000	240000	1010000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		14700000	4700000	4350000	4650000	587000	3790000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5026	TPE_5027	TPE_5027	TPE_5027	TPE_5027	TPE_5028
			Depth (m)	3.50	0.10	1.50	2.50	4.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389078	9389083	9389087	9389091	9389095	9388714
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		109	99	99	122	134	68
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		106000 M	1100 M	8000 M	102000 M	101000 M	7630 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		101 M	<40 M	<40 M	<40 M	53.8 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<36	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		101	<96	<24	<24	53.8	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		2210	<40	1670	217	189	101
Aliphatics >C6-C8	<10 µg/kg	TM089		33000	65	3980	13000	21000	1240
Aliphatics >C8-C10	<10 µg/kg	TM089		23500	157	747	29400	31900	1990
Aliphatics >C10-C12	<10 µg/kg	TM089		18900	440	639	24000	15600	1780
Aliphatics >C12-C16	<100 µg/kg	TM173		555000	15900	14500	665000	192000	162000
Aliphatics >C16-C21	<100 µg/kg	TM173		430000	65100	81900	517000	176000	499000
Aliphatics >C21-C35	<100 µg/kg	TM173		199000	87100	343000	84900	84500	296000
Aliphatics >C35-C44	<100 µg/kg	TM173		23400	13400	96600	3250	8500	34200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1210000	181000	536000	1270000	461000	991000
Aromatics >EC5-EC7	<10 µg/kg	TM089		101	<40	<40	<40	53.8	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		15600	106	499	19600	21200	1330
Aromatics >EC10-EC12	<10 µg/kg	TM089		12600	293	426	16000	10400	1190
Aromatics >EC12-EC16	<100 µg/kg	TM173		184000	5180	11200	312000	95500	45200
Aromatics >EC16-EC21	<100 µg/kg	TM173		181000	24300	89100	258000	98200	226000
Aromatics >EC21-EC35	<100 µg/kg	TM173		166000	43100	404000	72500	113000	326000
Aromatics >EC35-EC44	<100 µg/kg	TM173		45900	16400	190000	5760	40700	107000
Aromatics >EC40-EC44	<100 µg/kg	TM173		17400	6540	75400	1190	15600	39700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		577000	89100	695000	648000	347000	704000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1890000	272000	1240000	2020000	908000	1700000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5028	TPE_5028	TPE_5029	TPE_5029	TPE_5029	TPE_5029
			Depth (m)	1.50	2.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388719	9388724	9388732	9388746	9388754	9388760
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76	88	70	88	94	74
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		393 M	610 M	1460 M	2880 M	<176 M	635 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	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		52.4	103	<40	<40	<40	50
Aliphatics >C8-C10	<10 µg/kg	TM089		112	149	189	105	<40	108
Aliphatics >C10-C12	<10 µg/kg	TM089		87.8	138	647	1610	<40	233
Aliphatics >C12-C16	<100 µg/kg	TM173		18200	2200	195000	163000	10600	3380
Aliphatics >C16-C21	<100 µg/kg	TM173		34300	8150	443000	185000	17800	5010
Aliphatics >C21-C35	<100 µg/kg	TM173		6380	8540	235000	37400	1800	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	2920	39300	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		58900	21800	912000	386000	30200	8390
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		76.4	99.7	138	70.1	<40	75.5
Aromatics >EC10-EC12	<10 µg/kg	TM089		58.1	91.8	432	1070	<40	155
Aromatics >EC12-EC16	<100 µg/kg	TM173		4470	619	67900	46900	2470	1670
Aromatics >EC16-EC21	<100 µg/kg	TM173		14900	3760	332000	94600	6030	2710
Aromatics >EC21-EC35	<100 µg/kg	TM173		4090	2150	468000	23400	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		467	382	123000	1080	1030	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		194	<100	45300	476	712	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		23900	6920	991000	166000	9530	4380
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		83200	29300	1900000	554000	39900	13400

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5030	TPE_5030	TPE_5030	TPE_5031	TPE_5031	TPE_5032
			Depth (m)	0.50	1.50	2.30	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388769	9388778	9388786	9388794	9388803	9388810
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		87	98	102	95	55	79
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	<176 M	<176 M	2330 M	256 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	18.7 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	<40	59.7	42.8
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	<40	235	47.2
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	<40	71.3	1100	70.3
Aliphatics >C12-C16	<100 µg/kg	TM173		172	<100	<100	178000	143000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		3270	<100	976	867000	693000	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		5200	<100	<100	1420000	1130000	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		2420	<100	<100	187000	147000	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		11100	<100	976	2650000	2120000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	<40	159	41.7
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	<40	46.7	734	46.1
Aromatics >EC12-EC16	<100 µg/kg	TM173		299	<100	<100	48500	61000	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1320	<100	<100	531000	496000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		5000	<100	<100	1320000	912000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		4010	<100	<100	249000	174000	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		1700	<100	<100	93000	65300	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		10600	<100	<100	2150000	1640000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		21700	<100	994	4800000	3760000	166

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5032	TPE_5032	TPE_5032	TPE_5036	TPE_5036	TPE_5036
			Depth (m)	1.50	2.50	3.50	0.40	1.40	2.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388818	9388834	9388842	9388596	9388600	9388604
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		84	76	41	68	61	78
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1580 M	11100 M	469 M	4080 M	3470 M	44900 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	104 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	104
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	633
Aliphatics >C6-C8	<10 µg/kg	TM089		1020	7800	177	90.1	162	18700
Aliphatics >C8-C10	<10 µg/kg	TM089		151	1350	70.8	520	473	6600
Aliphatics >C10-C12	<10 µg/kg	TM089		179	613	94	1870	1500	8650
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	1070	522000	459000	620000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	4220	1820000	1300000	766000
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	2160000	1070000	177000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	240000	100000	5420
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	5300	4750000	2930000	1570000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	104
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		99.9	903	55.7	347	315	4400
Aromatics >EC10-EC12	<10 µg/kg	TM089		120	408	62.6	1240	999	5770
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	720	254000	146000	283000
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	2640	983000	680000	413000
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	4160	1050000	659000	118000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	168	4320	173000	86000	6370
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	239	2280	63000	31600	2150
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	168	11800	2460000	1570000	821000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1580	11300	17600	7220000	4510000	2430000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5036	TPE_5037	TPE_5037	TPE_5037	TPE_5037	TPE_5038
			Depth (m)	5.90	0.40	1.40	2.60	3.90	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9388608	9388612	9388618	9388622	9388626	9389136
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		106	74	64	92	127	90
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		152000 M	<176 M	19500 M	11100 M	2780 M	383 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		192 M	<40 M	49.3 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		192	<24	49.3	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		1950	<40	62.7	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		61500	<40	1720	476	201	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		37100	<40	2510	760	275	57.1
Aliphatics >C10-C12	<10 µg/kg	TM089		15700	<40	8110	5620	1250	141
Aliphatics >C12-C16	<100 µg/kg	TM173		496000	4140	895000	478000	24400	349
Aliphatics >C16-C21	<100 µg/kg	TM173		581000	22400	1190000	621000	39300	3680
Aliphatics >C21-C35	<100 µg/kg	TM173		87800	33300	167000	71600	6870	19800
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	3490	1230	<100	<100	6630
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1170000	63400	2260000	1170000	70500	30500
Aromatics >EC5-EC7	<10 µg/kg	TM089		192	<40	49.3	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		24700	<40	1670	507	185	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		10500	<40	5410	3750	836	94.1
Aromatics >EC12-EC16	<100 µg/kg	TM173		216000	955	297000	192000	9830	456
Aromatics >EC16-EC21	<100 µg/kg	TM173		315000	8480	567000	332000	20200	1760
Aromatics >EC21-EC35	<100 µg/kg	TM173		67400	12600	126000	68000	3100	19900
Aromatics >EC35-EC44	<100 µg/kg	TM173		2630	5280	3970	1750	<100	7060
Aromatics >EC40-EC44	<100 µg/kg	TM173		957	2560	717	<100	<100	1390
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		602000	27400	994000	594000	33100	29200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1920000	90800	3270000	1780000	106000	60100

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5038	TPE_5038	TPE_5038	TPE_5043	TPE_5043	TPE_5043
			Depth (m)	1.50	2.80	4.20	0.10	1.20	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389140	9389144	9389148	9389099	9389104	9389108
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		75	97	87	62	93	109
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		21000 M	89500 M	69100 M	<176 M	2480 M	6020 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<10 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<2 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<3 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<36	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<96	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		27.6	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		216	372	585	<40	140	1350
Aliphatics >C8-C10	<10 µg/kg	TM089		2440	9980	9980	<40	426	1190
Aliphatics >C10-C12	<10 µg/kg	TM089		9970	43500	31100	63.6	968	1590
Aliphatics >C12-C16	<100 µg/kg	TM173		15000	321000	362000	212000	19900	360000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	431	41900	1070000	71700	702000
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	1730000	93900	68100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	247000	12200	578
Total Aliphatics >C12-C44	<100 µg/kg	TM173		15000	322000	404000	3260000	198000	1130000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		1620	6650	6650	<40	285	795
Aromatics >EC10-EC12	<10 µg/kg	TM089		6650	29000	20700	43.2	645	1060
Aromatics >EC12-EC16	<100 µg/kg	TM173		677	21400	27200	65800	8280	157000
Aromatics >EC16-EC21	<100 µg/kg	TM173		313	<100	17200	616000	46100	305000
Aromatics >EC21-EC35	<100 µg/kg	TM173		7780	<100	<100	1370000	64000	48100
Aromatics >EC35-EC44	<100 µg/kg	TM173		3210	3110	<100	264000	12000	6840
Aromatics >EC40-EC44	<100 µg/kg	TM173		1220	1720	<100	96900	4190	2580
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		12000	24500	44400	2310000	130000	517000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		47900	436000	517000	5580000	331000	1650000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5043	TPE_5044	TPE_5044	TPE_5044	TPE_5044	TPE_5045
			Depth (m)	4.00	0.10	1.20	2.60	4.00	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014	03/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014	04/06/2014
			SDG Ref	140604-97	140604-97	140604-97	140604-97	140604-97	140604-97
			Lab Sample No.(s)	9389112	9389116	9389124	9389128	9389132	9389152
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		121	112	83	120	95	81
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		32700 M	391 M	960 M	27200 M	18400 M	1100 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<5 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<10 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<2 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<3 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<6 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<3 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		68.3	<40	13.8	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		9510	81.4	23	1780	241	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		9490	62.2	29.9	4330	2440	89.6
Aliphatics >C10-C12	<10 µg/kg	TM089		4370	111	523	10900	8430	545
Aliphatics >C12-C16	<100 µg/kg	TM173		180000	<100	<100	110000	53000	148000
Aliphatics >C16-C21	<100 µg/kg	TM173		300000	<100	<100	<100	111	554000
Aliphatics >C21-C35	<100 µg/kg	TM173		19500	<100	<100	<100	768	748000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	94100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		500000	<100	<100	110000	53900	1540000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<10	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<10	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		6320	44.1	20.7	2880	1630	59.4
Aromatics >EC10-EC12	<10 µg/kg	TM089		2910	74.6	350	7290	5620	364
Aromatics >EC12-EC16	<100 µg/kg	TM173		67500	<100	<100	15600	3820	73500
Aromatics >EC16-EC21	<100 µg/kg	TM173		137000	<100	<100	2240	520	385000
Aromatics >EC21-EC35	<100 µg/kg	TM173		18300	<100	<100	1780	2310	616000
Aromatics >EC35-EC44	<100 µg/kg	TM173		623	<100	<100	2110	3260	104000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	841	1490	36700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		223000	<100	<100	21800	9910	1180000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		755000	391	960	159000	82100	2720000

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_5045	TPE_5045	TPE_5045			
			Depth (m)	1.50	2.80	3.80			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	03/06/2014	03/06/2014	03/06/2014			
			Sample Time	.	.	.			
			Date Received	04/06/2014	04/06/2014	04/06/2014			
			SDG Ref	140604-97	140604-97	140604-97			
			Lab Sample No.(s)	9389156	9389161	9389169			
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		85	87	116			
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		5420 M	367 M	<176 M			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<5 M	<20 M			
Benzene	<10 µg/kg	TM089		<40 M	<10 M	<40 M			
Toluene	<2 µg/kg	TM089		<8 M	<2 M	<8 M			
Ethylbenzene	<3 µg/kg	TM089		<12 M	<3 M	<12 M			
m,p-Xylene	<6 µg/kg	TM089		<24 M	<6 M	<24 M			
o-Xylene	<3 µg/kg	TM089		<12 M	<3 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	21.7	<40			
Aliphatics >C6-C8	<10 µg/kg	TM089		190	62.7	<40			
Aliphatics >C8-C10	<10 µg/kg	TM089		823	60.4	<40			
Aliphatics >C10-C12	<10 µg/kg	TM089		2310	109	<40			
Aliphatics >C12-C16	<100 µg/kg	TM173		27000	898	5120			
Aliphatics >C16-C21	<100 µg/kg	TM173		59300	2940	15300			
Aliphatics >C21-C35	<100 µg/kg	TM173		59700	2390	1600			
Aliphatics >C35-C44	<100 µg/kg	TM173		4130	<100	<100			
Total Aliphatics >C12-C44	<100 µg/kg	TM173		150000	6230	22000			
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<10	<40			
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<10	<40			
Aromatics >EC8-EC10	<10 µg/kg	TM089		548	39.9	<40			
Aromatics >EC10-EC12	<10 µg/kg	TM089		1540	73	<40			
Aromatics >EC12-EC16	<100 µg/kg	TM173		8120	551	607			
Aromatics >EC16-EC21	<100 µg/kg	TM173		37000	2030	5850			
Aromatics >EC21-EC35	<100 µg/kg	TM173		44300	3520	<100			
Aromatics >EC35-EC44	<100 µg/kg	TM173		7300	869	<100			
Aromatics >EC40-EC44	<100 µg/kg	TM173		2980	<100	<100			
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		96800	6970	6450			
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		252000	13600	28400			

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TPE_144 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388492 TM048	13/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_155 0.40 - 0.00 SOLID 03/06/2014 00:00:00 140604-97 9389173 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_157 0.10 SOLID 03/06/2014 00:00:00 140604-97 9388850 TM048	13/6/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_157 0.80 SOLID 03/06/2014 00:00:00 140604-97 9388865 TM048	13/6/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_159 0.20 SOLID 03/06/2014 00:00:00 140604-97 9388885 TM048	13/6/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5005 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388739 TM048	13/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5006 0.30 SOLID 03/06/2014 00:00:00 140604-97 9388826 TM048	13/6/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5007 0.40 SOLID 03/06/2014 00:00:00 140604-97 9389074 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5008 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388540 TM048	13/6/14	Laura Robbins	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5009 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388645 TM048	13/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5010 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388654 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5011 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388686 TM048	13/6/14	Laura Robbins	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5013 0.20 SOLID 03/06/2014 00:00:00 140604-97 9389199 TM048	13/6/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5014 0.30 SOLID 03/06/2014 00:00:00 140604-97 9388508 TM048	13/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5015 0.30 SOLID 03/06/2014 00:00:00 140604-97 9388524 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5016 0.20 SOLID 03/06/2014 00:00:00 140604-97 9388544 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5017 0.30 SOLID 03/06/2014 00:00:00 140604-97 9388560 TM048	13/6/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5019 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388701 TM048	13/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5022 0.20 SOLID 03/06/2014 00:00:00 140604-97 9388953 TM048	13/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5023 0.30 SOLID 03/06/2014 00:00:00 140604-97 9388986 TM048	13/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5024 0.10 SOLID 03/06/2014 00:00:00 140604-97 9389016 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5026 0.10 SOLID 03/06/2014 00:00:00 140604-97 9389061 TM048	13/6/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5027 0.10 SOLID 03/06/2014 00:00:00 140604-97 9389083 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5029 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388732 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5030 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388769 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5031 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388794 TM048	13/6/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5032 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388810 TM048	13/6/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5036 0.40 SOLID 03/06/2014 00:00:00 140604-97 9388596 TM048	13/6/14	Laura Robbins	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5037 0.40 SOLID 03/06/2014 00:00:00 140604-97 9388612 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5038 0.10 SOLID 03/06/2014 00:00:00 140604-97 9389136 TM048	13/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5044 0.10 SOLID 03/06/2014 00:00:00 140604-97 9389116 TM048	13/6/14	Laura Robbins	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5045 0.20 SOLID 03/06/2014 00:00:00 140604-97 9389152 TM048	13/6/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5006 0.30 SOLID 03/06/2014 00:00:00 140604-97 9388826 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5008 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388540 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5011 0.50 SOLID 03/06/2014 00:00:00 140604-97 9388686 TM 304	None (#)	N/C	0.0012 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5013 0.20 SOLID 03/06/2014 00:00:00 140604-97 9389199 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5036 0.40 SOLID 03/06/2014 00:00:00 140604-97 9388596 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5044 0.10 SOLID 03/06/2014 00:00:00 140604-97 9389116 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE_5045 0.20 SOLID 03/06/2014 00:00:00 140604-97 9389152 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	9388492	9388666	9389173	9389178	9389182	9389186	9388850	9388858	9388865	9388875
Customer Sample Ref.	TPE_144	TPE_144	TPE_155	TPE_155	TPE_155	TPE_155	TPE_157	TPE_157	TPE_157	TPE_157
AGS Ref.										
Depth	0.50	1.20	0.40 - 0.00	1.40	2.70	4.00	0.10	0.25	0.80	2.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	13-Jun-2014		13-Jun-2014				13-Jun-2014		13-Jun-2014	
EPH CWG (Aliphatic) GC (S)	12-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	11-Jun-2014	12-Jun-2014	12-Jun-2014	11-Jun-2014	12-Jun-2014
EPH CWG (Aromatic) GC (S)	12-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	11-Jun-2014	12-Jun-2014	12-Jun-2014	11-Jun-2014	12-Jun-2014
GRO by GC-FID (S)	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	15-Jun-2014
Metals in solid samples by OES	16-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
PAH by GCMS	16-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	16-Jun-2014	15-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
pH	13-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014
Sample description	07-Jun-2014	06-Jun-2014	09-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	06-Jun-2014	07-Jun-2014	06-Jun-2014
TPH CWG GC (S)	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	15-Jun-2014

Lab Sample No(s)	9388885	9388894	9388903	9388739	9388826	9388923	9389024	9388496	9389074	9389120
Customer Sample Ref.	TPE_159	TPE_159	TPE_159	TPE_5005	TPE_5006	TPE_5006	TPE_5006	TPE_5007	TPE_5007	TPE_5007
AGS Ref.										
Depth	0.20	1.00	2.00	0.50	0.30	1.50	2.50	3.80	0.40	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	13-Jun-2014			13-Jun-2014	13-Jun-2014				13-Jun-2014	
Asbestos Quantification - Full					25-Jun-2014					
EPH CWG (Aliphatic) GC (S)	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014
EPH CWG (Aromatic) GC (S)	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014
GRO by GC-FID (S)	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014
Metals in solid samples by OES	13-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	12-Jun-2014
PAH by GCMS	16-Jun-2014	13-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014
pH	13-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014
Sample description	07-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	06-Jun-2014
TPH CWG GC (S)	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014

Lab Sample No(s)	9389165	9388540	9388584	9388630	9388635	9388641	9388645	9388649	9388654	9388662
Customer Sample Ref.	TPE_5007	TPE_5008	TPE_5008	TPE_5008	TPE_5008	TPE_5008	TPE_5009	TPE_5009	TPE_5010	TPE_5010
AGS Ref.										
Depth	2.80	0.50	1.30	2.50	3.50	4.50	0.50	1.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		13-Jun-2014					13-Jun-2014		13-Jun-2014	
Asbestos Quantification - Full		25-Jun-2014								
EPH CWG (Aliphatic) GC (S)	12-Jun-2014	13-Jun-2014	13-Jun-2014	11-Jun-2014	13-Jun-2014	12-Jun-2014	11-Jun-2014	10-Jun-2014	10-Jun-2014	12-Jun-2014
EPH CWG (Aromatic) GC (S)	12-Jun-2014	13-Jun-2014	13-Jun-2014	11-Jun-2014	13-Jun-2014	12-Jun-2014	11-Jun-2014	10-Jun-2014	10-Jun-2014	12-Jun-2014
GRO by GC-FID (S)	14-Jun-2014	15-Jun-2014	14-Jun-2014	15-Jun-2014	17-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014
Metals in solid samples by OES	17-Jun-2014	16-Jun-2014	13-Jun-2014	17-Jun-2014	12-Jun-2014	17-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014
PAH by GCMS	12-Jun-2014	16-Jun-2014	13-Jun-2014	12-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014
pH	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014
Sample description	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	05-Jun-2014	05-Jun-2014	06-Jun-2014
Total Organic Carbon							12-Jun-2014			
TPH CWG GC (S)	14-Jun-2014	15-Jun-2014	14-Jun-2014	15-Jun-2014	17-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014

Lab Sample No(s)	9388674	9388679	9388686	9388694	9389191	9389195	9388500	9388504	9389199	9389203
Customer Sample Ref.	TPE_5010	TPE_5010	TPE_5011	TPE_5011	TPE_5012	TPE_5012	TPE_5013	TPE_5013	TPE_5013	TPE_5013
AGS Ref.										
Depth	2.50	3.50	0.50	1.50	0.60	1.60	3.50	4.50	0.20	1.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			13-Jun-2014						13-Jun-2014	
Asbestos Quantification - Full			25-Jun-2014						25-Jun-2014	
EPH CWG (Aliphatic) GC (S)	12-Jun-2014	10-Jun-2014	11-Jun-2014	12-Jun-2014	13-Jun-2014	11-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014
EPH CWG (Aromatic) GC (S)	12-Jun-2014	10-Jun-2014	11-Jun-2014	12-Jun-2014	13-Jun-2014	11-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014
GRO by GC-FID (S)	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014
Metals in solid samples by OES	13-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014
PAH by GCMS	15-Jun-2014	16-Jun-2014	16-Jun-2014	15-Jun-2014	15-Jun-2014	15-Jun-2014	16-Jun-2014	14-Jun-2014	13-Jun-2014	14-Jun-2014
pH	12-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014
Sample description	06-Jun-2014	05-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	06-Jun-2014
Total Organic Carbon					13-Jun-2014					
TPH CWG GC (S)	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Lab Sample No(s)	9389207	9388508	9388512	9388516	9388520	9388524	9388528	9388532	9388536	9388544
Customer Sample Ref.	TPE_5013	TPE_5014	TPE_5014	TPE_5014	TPE_5014	TPE_5015	TPE_5015	TPE_5015	TPE_5015	TPE_5016
AGS Ref.										
Depth	2.30	0.30	1.50	2.70	4.00	0.30	1.30	2.60	3.80	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		13-Jun-2014				13-Jun-2014				13-Jun-2014
EPH CWG (Aliphatic) GC (S)	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	10-Jun-2014	12-Jun-2014	10-Jun-2014	12-Jun-2014
EPH CWG (Aromatic) GC (S)	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	10-Jun-2014	12-Jun-2014	10-Jun-2014	12-Jun-2014
GRO by GC-FID (S)	14-Jun-2014	15-Jun-2014	15-Jun-2014	17-Jun-2014	15-Jun-2014	14-Jun-2014	16-Jun-2014	16-Jun-2014	15-Jun-2014	14-Jun-2014
Metals in solid samples by OES	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
PAH by GCMS	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	13-Jun-2014	14-Jun-2014	16-Jun-2014
pH	12-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014
Sample description	06-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014
TPH CWG GC (S)	14-Jun-2014	15-Jun-2014	15-Jun-2014	17-Jun-2014	15-Jun-2014	14-Jun-2014	16-Jun-2014	16-Jun-2014	15-Jun-2014	14-Jun-2014

Lab Sample No(s)	9388548	9388552	9388556	9388560	9388564	9388568	9388572	9388576	9388580	9388588
Customer Sample Ref.	TPE_5016	TPE_5016	TPE_5016	TPE_5017	TPE_5017	TPE_5017	TPE_5017	TPE_5018	TPE_5018	TPE_5018
AGS Ref.										
Depth	1.20	3.50	3.80	0.30	1.30	2.80	3.90	0.30	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples				13-Jun-2014						
EPH CWG (Aliphatic) GC (S)	10-Jun-2014	10-Jun-2014	13-Jun-2014	10-Jun-2014	11-Jun-2014	13-Jun-2014	12-Jun-2014	10-Jun-2014	17-Jun-2014	13-Jun-2014
EPH CWG (Aromatic) GC (S)	10-Jun-2014	10-Jun-2014	13-Jun-2014	10-Jun-2014	11-Jun-2014	13-Jun-2014	12-Jun-2014	10-Jun-2014	17-Jun-2014	13-Jun-2014
GRO by GC-FID (S)	14-Jun-2014	15-Jun-2014	16-Jun-2014	14-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	15-Jun-2014	16-Jun-2014	16-Jun-2014
Metals in solid samples by OES	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
PAH by GCMS	13-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014
pH	12-Jun-2014	12-Jun-2014	13-Jun-2014	16-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014
Sample description	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014
TPH CWG GC (S)	14-Jun-2014	15-Jun-2014	16-Jun-2014	14-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	15-Jun-2014	17-Jun-2014	16-Jun-2014

Lab Sample No(s)	9388592	9388701	9388706	9388914	9388931	9388941	9388953	9388968	9388979	9388986
Customer Sample Ref.	TPE_5018	TPE_5019	TPE_5019	TPE_5021	TPE_5021	TPE_5021	TPE_5022	TPE_5022	TPE_5022	TPE_5023
AGS Ref.										
Depth	3.80	0.50	1.50	0.10	1.00	2.00	0.20	1.50	2.50	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		13-Jun-2014					13-Jun-2014			13-Jun-2014
EPH CWG (Aliphatic) GC (S)	10-Jun-2014	10-Jun-2014	10-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	10-Jun-2014	10-Jun-2014	13-Jun-2014
EPH CWG (Aromatic) GC (S)	10-Jun-2014	10-Jun-2014	10-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	10-Jun-2014	10-Jun-2014	13-Jun-2014
GRO by GC-FID (S)	14-Jun-2014	15-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	16-Jun-2014	15-Jun-2014	14-Jun-2014	15-Jun-2014
Metals in solid samples by OES	16-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014
PAH by GCMS	14-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	15-Jun-2014	13-Jun-2014	16-Jun-2014	15-Jun-2014	15-Jun-2014	16-Jun-2014
pH	12-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014
Sample description	06-Jun-2014	05-Jun-2014	05-Jun-2014	05-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014
Total Organic Carbon										13-Jun-2014
TPH CWG GC (S)	14-Jun-2014	15-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	16-Jun-2014	15-Jun-2014	14-Jun-2014	15-Jun-2014

Lab Sample No(s)	9388994	9389003	9389011	9389016	9389028	9389033	9389038	9389043	9389048	9389053
Customer Sample Ref.	TPE_5023	TPE_5023	TPE_5023	TPE_5024	TPE_5024	TPE_5024	TPE_5024	TPE_5025	TPE_5025	TPE_5025
AGS Ref.										
Depth	1.00	2.00	3.00	0.10	1.20	2.20	3.20	0.20	1.20	2.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples				13-Jun-2014						
EPH CWG (Aliphatic) GC (S)	17-Jun-2014	10-Jun-2014	10-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014
EPH CWG (Aromatic) GC (S)	17-Jun-2014	10-Jun-2014	10-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014
GRO by GC-FID (S)	16-Jun-2014	16-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014	15-Jun-2014	16-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014
Metals in solid samples by OES	13-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014
PAH by GCMS	16-Jun-2014	15-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	14-Jun-2014	16-Jun-2014
pH	13-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014
Sample description	05-Jun-2014	06-Jun-2014	05-Jun-2014	09-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014
TPH CWG GC (S)	17-Jun-2014	16-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014	15-Jun-2014	16-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Lab Sample No(s)	9389057	9389061	9389065	9389070	9389078	9389083	9389087	9389091	9389095	9388714
Customer Sample Ref.	TPE_5025	TPE_5026	TPE_5026	TPE_5026	TPE_5026	TPE_5027	TPE_5027	TPE_5027	TPE_5027	TPE_5028
AGS Ref.										
Depth	3.20	0.10	1.50	2.50	3.50	0.10	1.50	2.50	4.00	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		13-Jun-2014				13-Jun-2014				
EPH CWG (Aliphatic) GC (S)	12-Jun-2014	12-Jun-2014	10-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	11-Jun-2014	13-Jun-2014
EPH CWG (Aromatic) GC (S)	12-Jun-2014	12-Jun-2014	10-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	11-Jun-2014	13-Jun-2014
GRO by GC-FID (S)	15-Jun-2014	14-Jun-2014	16-Jun-2014	15-Jun-2014	15-Jun-2014	15-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014
Metals in solid samples by OES	16-Jun-2014	17-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	17-Jun-2014	13-Jun-2014	16-Jun-2014	17-Jun-2014	13-Jun-2014
PAH by GCMS	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	15-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
pH	12-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014
Sample description	06-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	05-Jun-2014
TPH CWG GC (S)	15-Jun-2014	14-Jun-2014	16-Jun-2014	15-Jun-2014	15-Jun-2014	15-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014

Lab Sample No(s)	9388719	9388724	9388732	9388746	9388754	9388760	9388769	9388778	9388786	9388794
Customer Sample Ref.	TPE_5028	TPE_5028	TPE_5029	TPE_5029	TPE_5029	TPE_5029	TPE_5030	TPE_5030	TPE_5030	TPE_5031
AGS Ref.										
Depth	1.50	2.50	0.50	1.50	2.50	3.50	0.50	1.50	2.30	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			13-Jun-2014				13-Jun-2014			13-Jun-2014
EPH CWG (Aliphatic) GC (S)	12-Jun-2014	10-Jun-2014	13-Jun-2014	10-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014
EPH CWG (Aromatic) GC (S)	12-Jun-2014	10-Jun-2014	13-Jun-2014	10-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014
GRO by GC-FID (S)	14-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
Metals in solid samples by OES	16-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	17-Jun-2014	16-Jun-2014	17-Jun-2014	16-Jun-2014	16-Jun-2014
PAH by GCMS	15-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	16-Jun-2014	15-Jun-2014	16-Jun-2014	16-Jun-2014
pH	13-Jun-2014	13-Jun-2014	16-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014
Sample description	06-Jun-2014	05-Jun-2014	07-Jun-2014	05-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014
TPH CWG GC (S)	14-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014

Lab Sample No(s)	9388803	9388810	9388818	9388834	9388842	9388596	9388600	9388604	9388608	9388612
Customer Sample Ref.	TPE_5031	TPE_5032	TPE_5032	TPE_5032	TPE_5032	TPE_5036	TPE_5036	TPE_5036	TPE_5036	TPE_5037
AGS Ref.										
Depth	1.50	0.50	1.50	2.50	3.50	0.40	1.40	2.60	5.90	0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		13-Jun-2014				13-Jun-2014				13-Jun-2014
Asbestos Quantification - Full						25-Jun-2014				
EPH CWG (Aliphatic) GC (S)	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	10-Jun-2014	10-Jun-2014	10-Jun-2014	13-Jun-2014
EPH CWG (Aromatic) GC (S)	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	10-Jun-2014	10-Jun-2014	10-Jun-2014	13-Jun-2014
GRO by GC-FID (S)	16-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014
Metals in solid samples by OES	13-Jun-2014	16-Jun-2014	17-Jun-2014	16-Jun-2014	17-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
PAH by GCMS	16-Jun-2014	16-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014	13-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014	16-Jun-2014
pH	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014
Sample description	06-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	05-Jun-2014	06-Jun-2014	05-Jun-2014	07-Jun-2014
Total Organic Carbon						13-Jun-2014				13-Jun-2014
TPH CWG GC (S)	16-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014

Lab Sample No(s)	9388618	9388622	9388626	9389136	9389140	9389144	9389148	9389099	9389104	9389108
Customer Sample Ref.	TPE_5037	TPE_5037	TPE_5037	TPE_5038	TPE_5038	TPE_5038	TPE_5038	TPE_5043	TPE_5043	TPE_5043
AGS Ref.										
Depth	1.40	2.60	3.90	0.10	1.50	2.80	4.20	0.10	1.20	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples				13-Jun-2014						
EPH CWG (Aliphatic) GC (S)	12-Jun-2014	10-Jun-2014	10-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	10-Jun-2014	10-Jun-2014	10-Jun-2014
EPH CWG (Aromatic) GC (S)	12-Jun-2014	10-Jun-2014	10-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014	10-Jun-2014	10-Jun-2014	10-Jun-2014
GRO by GC-FID (S)	14-Jun-2014	16-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014
Metals in solid samples by OES	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
PAH by GCMS	15-Jun-2014	15-Jun-2014	15-Jun-2014	16-Jun-2014	12-Jun-2014	12-Jun-2014	12-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
pH	12-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014
Sample description	06-Jun-2014	06-Jun-2014	06-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	06-Jun-2014	05-Jun-2014	05-Jun-2014	05-Jun-2014
TPH CWG GC (S)	14-Jun-2014	16-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014

CERTIFICATE OF ANALYSIS

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Lab Sample No(s)	9389112	9389116	9389124	9389128	9389132	9389152	9389156	9389161	9389169
Customer Sample Ref.	TPE_5043	TPE_5044	TPE_5044	TPE_5044	TPE_5044	TPE_5045	TPE_5045	TPE_5045	TPE_5045
AGS Ref.									
Depth	4.00	0.10	1.20	2.60	4.00	0.20	1.50	2.80	3.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		13-Jun-2014				13-Jun-2014			
Asbestos Quantification - Full		25-Jun-2014				25-Jun-2014			
EPH CWG (Aliphatic) GC (S)	10-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	10-Jun-2014	12-Jun-2014	13-Jun-2014	10-Jun-2014	13-Jun-2014
EPH CWG (Aromatic) GC (S)	10-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	10-Jun-2014	12-Jun-2014	13-Jun-2014	10-Jun-2014	13-Jun-2014
GRO by GC-FID (S)	15-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014
Metals in solid samples by OES	16-Jun-2014	13-Jun-2014	13-Jun-2014	13-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014	16-Jun-2014
PAH by GCMS	16-Jun-2014	16-Jun-2014	12-Jun-2014	12-Jun-2014	16-Jun-2014	13-Jun-2014	17-Jun-2014	16-Jun-2014	12-Jun-2014
pH	13-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	13-Jun-2014	13-Jun-2014	12-Jun-2014	12-Jun-2014	13-Jun-2014
Sample description	05-Jun-2014	07-Jun-2014	06-Jun-2014	06-Jun-2014	05-Jun-2014	07-Jun-2014	06-Jun-2014	05-Jun-2014	06-Jun-2014
TPH CWG GC (S)	15-Jun-2014	14-Jun-2014	14-Jun-2014	15-Jun-2014	16-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014	14-Jun-2014

SDG:	140604-97	**Location:**	Coed Darcy	**Order Number:**	CD0698
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274671
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	11 June 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140503-31
Your Reference:	TP East
Location:	Coed Darcy
Report No:	273047

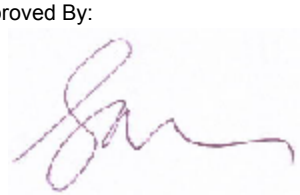
This report has been revised and directly supersedes 269969 in its entirety.

We received 56 samples on Saturday May 03, 2014 and 56 of these samples were scheduled for analysis which was completed on Tuesday June 10, 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:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9235597	TPE 162		0.20 - 0.00	01/05/2014
9235602	TPE 162		0.80 - 0.00	01/05/2014
9235612	TPE 162		1.80 - 0.00	01/05/2014
9235617	TPE 162		3.00 - 0.00	01/05/2014
9235554	TPE 164		0.30 - 0.00	01/05/2014
9235565	TPE 164		0.90 - 0.00	01/05/2014
9235578	TPE 164		1.50 - 0.00	01/05/2014
9235584	TPE 165		0.20 - 0.00	01/05/2014
9235588	TPE 165		1.50 - 0.00	01/05/2014
9235593	TPE 165		3.50 - 0.00	01/05/2014
9235480	TPE 226		0.10 - 0.10	01/05/2014
9235535	TPE 226		1.20 - 1.20	01/05/2014
9235606	TPE 226		2.10 - 2.10	01/05/2014
9235657	TPE226		3.00 - 3.00	01/05/2014
9235713	TPE 227		0.20 - 0.20	01/05/2014
9235764	TPE 227		1.00 - 1.00	01/05/2014
9235772	TPE 227		2.20 - 2.20	01/05/2014
9235779	TPE 227		3.00 - 3.00	01/05/2014
9235783	TPE 230		0.10 - 0.10	01/05/2014
9235484	TPE 230		1.00 - 1.00	01/05/2014
9235488	TPE 230		1.50 - 1.50	01/05/2014
9235493	TPE 230		2.50 - 2.50	01/05/2014
9235755	TPE 230		3.50 - 0.00	01/05/2014
9235498	TPE 231		0.30 - 0.30	01/05/2014
9235503	TPE 231		1.20 - 1.20	01/05/2014
9235507	TPE 231		2.50 - 2.50	01/05/2014
9235512	TPE 231		3.50 - 3.50	01/05/2014
9235517	TPE 231		4.50 - 4.50	01/05/2014
9235522	TPE 232		0.10 - 0.10	01/05/2014
9235529	TPE 232		1.20 - 1.20	01/05/2014
9235541	TPE 232		1.60 - 1.60	01/05/2014
9235547	TPE 232		2.60 - 2.60	01/05/2014
9235759	TPE 232		4.00 - 0.00	02/05/2014
9235732	TPE 255		0.20 - 0.00	01/05/2014
9235743	TPE 255		1.20 - 0.00	01/05/2014
9235747	TPE 255		2.00 - 0.00	01/05/2014
9235709	TPE 256		0.10 - 0.00	01/05/2014
9235718	TPE 256		0.90 - 0.00	01/05/2014
9235722	TPE 256		1.50 - 0.00	01/05/2014
9235701	TPE 257		0.20 - 0.00	01/05/2014
9235705	TPE 257		1.20 - 0.00	01/05/2014
9235666	TPE 258		0.20 - 0.00	01/05/2014
9235679	TPE 258		1.50 - 0.00	01/05/2014
9235622	TPE 259		0.30 - 0.00	01/05/2014
9235628	TPE 260		0.20 - 0.00	01/05/2014
9235632	TPE 260		1.50 - 0.00	01/05/2014
9235637	TPE 260		2.50 - 0.00	01/05/2014
9235641	TPE 261		0.20 - 0.00	01/05/2014
9235645	TPE 261		1.50 - 0.00	01/05/2014
9235649	TPE 261		2.50 - 0.00	01/05/2014
9235653	TPE 262		0.30 - 0.00	01/05/2014
9235662	TPE 262		1.80 - 0.00	01/05/2014
9235684	TPE 263		0.20 - 0.00	01/05/2014
9235689	TPE 263		1.20 - 0.00	01/05/2014
9235693	TPE 264		0.30 - 0.00	01/05/2014
9235697	TPE 264		1.00 - 0.00	01/05/2014

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9235597			9235602			9235612			9235617			9235554			9235565			9235578			9235584			9235588			9235593			9235480			9235535			9235606			9235657
Customer Sample Reference			TPE 162			TPE 162			TPE 162			TPE 162			TPE 164			TPE 164			TPE 164			TPE 165			TPE 165			TPE 165			TPE 226			TPE 226			TPE 226			TPE226
AGS Reference																																											
Depth (m)			0.20 - 0.00			0.80 - 0.00			1.80 - 0.00			3.00 - 0.00			0.30 - 0.00			0.90 - 0.00			1.50 - 0.00			0.20 - 0.00			1.50 - 0.00			3.50 - 0.00			0.10 - 0.10			1.20 - 1.20			2.10 - 2.10			3.00 - 3.00
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23		X			X									X			X						X									X								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 34	X						X			X			X						X			X						X			X						X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X

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CERTIFICATE OF ANALYSIS

Validated

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			9235657		9235713			9235764			9235772			9235779			9235783			9235484			9235488			9235493			9235755			9235498			9235503			9235507			9235512	
Customer Sample Reference			TPE226		TPE 227			TPE 227			TPE 227			TPE 227			TPE 230			TPE 230			TPE 230			TPE 230			TPE 230			TPE 231			TPE 231			TPE 231			TPE 231	
AGS Reference																																											
Depth (m)			3.00 - 3.00		0.20 - 0.20			1.00 - 1.00			2.20 - 2.20			3.00 - 3.00			0.10 - 0.10			1.00 - 1.00			1.50 - 1.50			2.50 - 2.50			3.50 - 0.00			0.30 - 0.30			1.20 - 1.20			2.50 - 2.50			3.50 - 3.50	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23				X												X			X												X									
Asbestos Quantification - Full	All	NDPs: 0 Tests: 2																															X									
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 34						X						X			X						X									X						X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	

05:49:19 11/06/2014

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

SOLID

Results Legend

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

Lab Sample No(s)			9235512			9235517			9235522			9235529			9235541			9235547			9235759			9235732			9235743			9235747			9235709			9235718			9235722			9235701
Customer Sample Reference			TPE 231			TPE 231			TPE 232			TPE 232			TPE 232			TPE 232			TPE 232			TPE 255			TPE 255			TPE 255			TPE 256			TPE 256			TPE 256			TPE 257
AGS Reference																																											
Depth (m)			3.50 - 3.50			4.50 - 4.50			0.10 - 0.10			1.20 - 1.20			1.60 - 1.60			2.60 - 2.60			4.00 - 0.00			0.20 - 0.00			1.20 - 0.00			2.00 - 0.00			0.10 - 0.00			0.90 - 0.00			1.50 - 0.00			0.20 - 0.00
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (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: 23						X															X											X			X					X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 34		X			X						X						X			X						X			X						X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			9235705			9235666			9235679			9235622			9235628			9235632			9235637			9235641			9235645			9235649			9235653			9235662			9235684			9235689
Customer Sample Reference			TPE 257			TPE 258			TPE 258			TPE 259			TPE 260			TPE 260			TPE 260			TPE 261			TPE 261			TPE 261			TPE 262			TPE 262			TPE 263			TPE 263
AGS Reference																																										
Depth (m)			1.20 - 0.00			0.20 - 0.00			1.50 - 0.00			0.30 - 0.00			0.20 - 0.00			1.50 - 0.00			2.50 - 0.00			0.20 - 0.00			1.50 - 0.00			2.50 - 0.00			0.30 - 0.00			1.80 - 0.00			0.20 - 0.00			1.20 - 0.00
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23					X						X			X										X									X						X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 56		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 34				X						X			X						X			X			X						X						X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 56	X			X			X			X			X			X			X			X			X			X			X			X			X			X

05:49:19 11/06/2014

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			9235689	TPE 263		1.20 - 0.00	400g Tub (ALE214)
							60g VOC (ALE215)
			9235693	TPE 264		0.30 - 0.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9235697	TPE 264		1.00 - 0.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23					X X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 2					X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 56					X X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 56					X X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 56					X X X
Metals in solid samples by OES	All	NDPs: 0 Tests: 56					X X
PAH by GCMS	All	NDPs: 0 Tests: 56					X X
pH	All	NDPs: 0 Tests: 56					X X X
Sample description	All	NDPs: 0 Tests: 56					X X
Total Organic Carbon	All	NDPs: 0 Tests: 34					X
TPH CWG GC (S)	All	NDPs: 0 Tests: 56					X X

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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
9235657	TPE226	3.00 - 3.00	Black	Sandy Loam	0.1 - 2 mm	Stones	None
9235597	TPE 162	0.20 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	None
9235602	TPE 162	0.80 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9235612	TPE 162	1.80 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9235617	TPE 162	3.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9235554	TPE 164	0.30 - 0.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9235565	TPE 164	0.90 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9235578	TPE 164	1.50 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9235584	TPE 165	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9235588	TPE 165	1.50 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9235593	TPE 165	3.50 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
9235480	TPE 226	0.10 - 0.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9235535	TPE 226	1.20 - 1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9235606	TPE 226	2.10 - 2.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9235713	TPE 227	0.20 - 0.20	Dark Brown	Silt Loam	<0.063 mm	Stones	Vegetation
9235764	TPE 227	1.00 - 1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9235772	TPE 227	2.20 - 2.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9235779	TPE 227	3.00 - 3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9235484	TPE 230	1.00 - 1.00	Dark Brown	Silt Loam	<0.063 mm	Stones	Vegetation
9235488	TPE 230	1.50 - 1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9235493	TPE 230	2.50 - 2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9235755	TPE 230	3.50 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	None	None
9235783	TPE 230	0.10 - 0.10	Black	Silt Loam	<0.063 mm	Stones	Vegetation
9235498	TPE 231	0.30 - 0.30	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9235503	TPE 231	1.20 - 1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9235507	TPE 231	2.50 - 2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Oil/Petroleum	Brick
9235512	TPE 231	3.50 - 3.50	Black	Sandy Loam	0.1 - 2 mm	Stones	None
9235517	TPE 231	4.50 - 4.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9235522	TPE 232	0.10 - 0.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9235529	TPE 232	1.20 - 1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9235541	TPE 232	1.60 - 1.60	Black	Sandy Loam	0.1 - 2 mm	Stones	None
9235547	TPE 232	2.60 - 2.60	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9235759	TPE 232	4.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9235732	TPE 255	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9235743	TPE 255	1.20 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9235747	TPE 255	2.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
9235709	TPE 256	0.10 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9235718	TPE 256	0.90 - 0.00	Black	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

			Colour	Description	Grain size	Inclusions	Inclusions 2
9235722	TPE 256	1.50 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9235701	TPE 257	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9235705	TPE 257	1.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9235666	TPE 258	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9235679	TPE 258	1.50 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9235622	TPE 259	0.30 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9235628	TPE 260	0.20 - 0.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Vegetation	None
9235632	TPE 260	1.50 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9235637	TPE 260	2.50 - 0.00	Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
9235641	TPE 261	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9235645	TPE 261	1.50 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9235649	TPE 261	2.50 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9235653	TPE 262	0.30 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9235662	TPE 262	1.80 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9235684	TPE 263	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9235689	TPE 263	1.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9235693	TPE 264	0.30 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9235697	TPE 264	1.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 162	TPE 162	TPE 162	TPE 162	TPE 164	TPE 164
			Depth (m)	0.20 - 0.00	0.80 - 0.00	1.80 - 0.00	3.00 - 0.00	0.30 - 0.00	0.90 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235597	9235602	9235612	9235617	9235554	9235565
			AGS Reference						
Moisture Content Ratio	%	PM024		15	17	6.7	7.3	18	16
Soil Organic Matter (SOM)	<0.35 %	TM132		10.6 #		2.22 #	1.6 #	2.14 #	
pH	1 pH Units	TM133		5.93 M	6.72 M	7.26 M	7.15 M	5.01 M	5.69 M
Arsenic	<0.6 mg/kg	TM181		51.4 M	34.2 M	16.4 M	14.2 M	16.2 M	13 M
Cadmium	<0.02 mg/kg	TM181		0.947 M	0.66 M	<0.02 M	0.0513 M	0.332 M	0.561 M
Chromium	<0.9 mg/kg	TM181		15.4 M	14.3 M	13.9 M	13.2 M	13 M	17.8 M
Copper	<1.4 mg/kg	TM181		101 M	59.8 M	26.7 M	21.3 M	99.7 M	25 M
Lead	<0.7 mg/kg	TM181		44.3 M	35.9 M	18.3 M	15.2 M	16.8 M	21.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.8 M	22.9 M	23.4 M	25.5 M	8.64 M	25.9 M
Selenium	<1 mg/kg	TM181		2.18 #	1.69 #	1.19 #	1.11 #	1.6 #	1.75 #
Vanadium	<0.2 mg/kg	TM181		22.7 #	23.5 #	16.6 #	15.1 #	21.2 #	23.2 #
Zinc	<1.9 mg/kg	TM181		131 M	98.5 M	71.9 M	73.6 M	51.4 M	136 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 164	TPE 165	TPE 165	TPE 165	TPE 226	TPE 226
			Depth (m)	1.50 - 0.00	0.20 - 0.00	1.50 - 0.00	3.50 - 0.00	0.10 - 0.10	1.20 - 1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235578	9235584	9235588	9235593	9235480	9235535
			AGS Reference						
Moisture Content Ratio	%	PM024		12	16	6.7	7.5	9.4	19
Soil Organic Matter (SOM)	<0.35 %	TM132		1.95 #	7.52 #		1.39 #	1.54 #	
pH	1 pH Units	TM133		6.61 M	7.67 M	7.53 M	6.68 M	5.8 M	4.9 M
Arsenic	<0.6 mg/kg	TM181		20.3 M	31.2 M	13.8 M	10.5 M	20 M	151 M
Cadmium	<0.02 mg/kg	TM181		0.476 M	0.524 M	0.462 M	0.0855 M	0.0752 M	1.11 M
Chromium	<0.9 mg/kg	TM181		18.1 M	13.2 M	17.6 M	12.9 M	14.1 M	16.2 M
Copper	<1.4 mg/kg	TM181		35.6 M	67.4 M	22.1 M	15.3 M	34.2 M	209 M
Lead	<0.7 mg/kg	TM181		25.3 M	35.3 M	17.5 M	13.8 M	25.4 M	112 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		43.8 M	20.2 M	25.7 M	26.7 M	28 M	20.3 M
Selenium	<1 mg/kg	TM181		5.01 #	2.07 #	1.15 #	<1 #	1.14 #	2.76 #
Vanadium	<0.2 mg/kg	TM181		18.2 #	20.9 #	16.5 #	15.6 #	17.3 #	24.4 #
Zinc	<1.9 mg/kg	TM181		109 M	111 M	110 M	73.5 M	89.5 M	146 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 226	TPE226	TPE 227	TPE 227	TPE 227	TPE 227
			Depth (m)	2.10 - 2.10	3.00 - 3.00	0.20 - 0.20	1.00 - 1.00	2.20 - 2.20	3.00 - 3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235606	9235657	9235713	9235764	9235772	9235779
			AGS Reference						
Moisture Content Ratio	%	PM024		11	11	13	13	16	13
Soil Organic Matter (SOM)	<0.35 %	TM132		1.57 #			1.34 #		1.39 #
pH	1 pH Units	TM133		5.81 M	5.83 M	6.79 M	6.01 M	6.31 M	6.02 M
Arsenic	<0.6 mg/kg	TM181		15 M	8.07 M	22.7 M	9.2 M	12.1 M	12.6 M
Cadmium	<0.02 mg/kg	TM181		0.316 M	0.199 M	0.631 M	0.0759 M	0.337 M	0.538 M
Chromium	<0.9 mg/kg	TM181		14.8 M	12.5 M	13.5 M	16.7 M	15.6 M	14.2 M
Copper	<1.4 mg/kg	TM181		17.7 M	23.9 M	49.1 M	25.8 M	26.5 M	17.8 M
Lead	<0.7 mg/kg	TM181		22.8 M	19.3 M	91.3 M	16.5 M	21.3 M	17.9 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		26.1 M	24 M	26 M	25.1 M	24.3 M	28.7 M
Selenium	<1 mg/kg	TM181		2.23 #	<1 #	1.22 #	1.17 #	1.75 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21.4 #	17.3 #	17.2 #	21 #	20 #	16.8 #
Zinc	<1.9 mg/kg	TM181		105 M	56.1 M	134 M	69.8 M	76.4 M	89.9 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 230	TPE 230	TPE 230	TPE 230	TPE 230	TPE 231
			Depth (m)	0.10 - 0.10	1.00 - 1.00	1.50 - 1.50	2.50 - 2.50	3.50 - 0.00	0.30 - 0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235783	9235484	9235488	9235493	9235755	9235498
			AGS Reference						
Moisture Content Ratio	%	PM024		12	15	20	27	8	13
Soil Organic Matter (SOM)	<0.35 %	TM132		12.2 #		9.6 #			12.5 #
pH	1 pH Units	TM133		6.94 M	5.34 M	5.86 M	5.41 M	6.54 M	7.21 M
Arsenic	<0.6 mg/kg	TM181		30.4 M	138 M	22.4 M	43.2 M	3.22 M	33 M
Cadmium	<0.02 mg/kg	TM181		0.89 M	0.494 M	0.257 M	0.574 M	0.194 M	0.776 M
Chromium	<0.9 mg/kg	TM181		13.4 M	9.89 M	12.2 M	14.1 M	14.4 M	17.5 M
Copper	<1.4 mg/kg	TM181		79 M	135 M	34.9 M	66.3 M	22.8 M	81.1 M
Lead	<0.7 mg/kg	TM181		98.7 M	115 M	25.9 M	58.7 M	15.8 M	158 M
Mercury	<0.14 mg/kg	TM181		0.518 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	0.183 M
Nickel	<0.2 mg/kg	TM181		28.9 M	21.6 M	17.8 M	40.9 M	50.5 M	27.6 M
Selenium	<1 mg/kg	TM181		1.05 #	1.3 #	<1 #	1.62 #	2.9 #	1.31 #
Vanadium	<0.2 mg/kg	TM181		18.9 #	16.9 #	17.4 #	20 #	18.4 #	19.8 #
Zinc	<1.9 mg/kg	TM181		154 M	86.3 M	60.4 M	188 M	117 M	187 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 231	TPE 231	TPE 231	TPE 231	TPE 232	TPE 232
			Depth (m)	1.20 - 1.20	2.50 - 2.50	3.50 - 3.50	4.50 - 4.50	0.10 - 0.10	1.20 - 1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235503	9235507	9235512	9235517	9235522	9235529
			AGS Reference						
Moisture Content Ratio	%	PM024		19	15	20	11	13	16
Soil Organic Matter (SOM)	<0.35 %	TM132			5.64 #		0.969 #	5.41 #	
pH	1 pH Units	TM133		6.77 M	6.53 M	6.59 M	6.64 M	7.27 M	7.43 M
Arsenic	<0.6 mg/kg	TM181		27.6 M	24.7 M	28.7 M	11.8 M	25.3 M	20.8 M
Cadmium	<0.02 mg/kg	TM181		0.466 M	0.49 M	0.403 M	0.38 M	0.322 M	0.52 M
Chromium	<0.9 mg/kg	TM181		16 M	28.1 M	36.8 M	11 M	16.5 M	14.3 M
Copper	<1.4 mg/kg	TM181		51.8 M	51.6 M	61.2 M	44.8 M	48.8 M	60.6 M
Lead	<0.7 mg/kg	TM181		50.8 M	54.1 M	71.7 M	22.3 M	163 M	87 M
Mercury	<0.14 mg/kg	TM181		0.304 M	<0.14 M	0.463 M	<0.14 M	0.197 M	2.6 M
Nickel	<0.2 mg/kg	TM181		21.8 M	29.7 M	26.9 M	45.8 M	31.7 M	25.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.32 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.2 #	18.7 #	22.9 #	16.7 #	17.1 #	18.8 #
Zinc	<1.9 mg/kg	TM181		127 M	164 M	194 M	152 M	174 M	134 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 232	TPE 232	TPE 232	TPE 255	TPE 255	TPE 255
			Depth (m)	1.60 - 1.60	2.60 - 2.60	4.00 - 0.00	0.20 - 0.00	1.20 - 0.00	2.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	02/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235541	9235547	9235759	9235732	9235743	9235747
			AGS Reference						
Moisture Content Ratio	%	PM024		30	17	12	18	18	17
Soil Organic Matter (SOM)	<0.35 %	TM132		27.9 #		2.05 #	8.14 #		2.21 #
pH	1 pH Units	TM133		6.28 M	6.83 M	6.75 M	6.2 M	5.47 M	6.56 M
Arsenic	<0.6 mg/kg	TM181		54.5 M	2.5 M	9.39 M	33.7 M	29.8 M	31.4 M
Cadmium	<0.02 mg/kg	TM181		0.955 M	0.0248 M	<0.02 M	0.893 M	1.6 M	0.866 M
Chromium	<0.9 mg/kg	TM181		14.3 M	3 M	14.2 M	17.5 M	15.9 M	16.1 M
Copper	<1.4 mg/kg	TM181		118 M	6.81 M	20.8 M	75.2 M	53.7 M	61 M
Lead	<0.7 mg/kg	TM181		208 M	21.7 M	16.8 M	121 M	61.3 M	33.7 M
Mercury	<0.14 mg/kg	TM181		7.13 M	1.63 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.7 M	4.36 M	32.3 M	26.4 M	26.9 M	20.6 M
Selenium	<1 mg/kg	TM181		1.24 #	<1 #	<1 #	1.86 #	1.34 #	2.08 #
Vanadium	<0.2 mg/kg	TM181		26 #	2.97 #	17.2 #	23.7 #	27.7 #	22.5 #
Zinc	<1.9 mg/kg	TM181		196 M	28.7 M	71.8 M	146 M	119 M	151 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 256	TPE 256	TPE 256	TPE 257	TPE 257	TPE 258
			Depth (m)	0.10 - 0.00	0.90 - 0.00	1.50 - 0.00	0.20 - 0.00	1.20 - 0.00	0.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235709	9235718	9235722	9235701	9235705	9235666
			AGS Reference						
Moisture Content Ratio	%	PM024		26	12	16	17	20	22
Soil Organic Matter (SOM)	<0.35 %	TM132		2.91 #		0.981 #	3.78 #		4.64 #
pH	1 pH Units	TM133		6.67 M	6.23 M	6.49 M	7.69 M	6.68 M	7.29 M
Arsenic	<0.6 mg/kg	TM181		53.7 M	30.9 M	25.9 M	42.9 M	38.5 M	34.9 M
Cadmium	<0.02 mg/kg	TM181		0.577 M	<0.02 M	0.113 M	0.95 M	1.09 M	0.968 M
Chromium	<0.9 mg/kg	TM181		18.6 M	18 M	16.9 M	22.5 M	19.3 M	37.7 M
Copper	<1.4 mg/kg	TM181		112 M	41.6 M	17.1 M	91 M	92.3 M	103 M
Lead	<0.7 mg/kg	TM181		67.4 M	31.2 M	21.4 M	110 M	86.7 M	380 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		17.9 M	30 M	32.5 M	27.4 M	29.6 M	34.6 M
Selenium	<1 mg/kg	TM181		3 #	1.67 #	1.88 #	1.48 #	1.78 #	1.9 #
Vanadium	<0.2 mg/kg	TM181		25.5 #	20.3 #	20.4 #	24.3 #	27.4 #	19.7 #
Zinc	<1.9 mg/kg	TM181		115 M	129 M	114 M	243 M	219 M	397 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 258	TPE 259	TPE 260	TPE 260	TPE 260	TPE 261
			Depth (m)	1.50 - 0.00	0.30 - 0.00	0.20 - 0.00	1.50 - 0.00	2.50 - 0.00	0.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235679	9235622	9235628	9235632	9235637	9235641
			AGS Reference						
Moisture Content Ratio	%	PM024		16	9.7	16	13	11	17
Soil Organic Matter (SOM)	<0.35 %	TM132			7.6 #	2.02 #		1.23 #	2.98 #
pH	1 pH Units	TM133		6.49 M	6.9 M	5.62 M	6.94 M	6.76 M	5.54 M
Arsenic	<0.6 mg/kg	TM181		16.7 M	58.8 M	21.6 M	8.14 M	7.77 M	46.5 M
Cadmium	<0.02 mg/kg	TM181		0.492 M	1.13 M	0.146 M	0.133 M	0.19 M	0.451 M
Chromium	<0.9 mg/kg	TM181		24.7 M	18.5 M	12.1 M	11.4 M	11.7 M	14.8 M
Copper	<1.4 mg/kg	TM181		37.7 M	230 M	36.5 M	16.6 M	10 M	97.7 M
Lead	<0.7 mg/kg	TM181		168 M	447 M	28.3 M	13.5 M	13.7 M	276 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		35.5 M	44.1 M	9.59 M	19.5 M	28.4 M	20 M
Selenium	<1 mg/kg	TM181		<1 #	1.09 #	<1 #	<1 #	<1 #	1.32 #
Vanadium	<0.2 mg/kg	TM181		21.3 #	22.1 #	20 #	13.1 #	12.3 #	19 #
Zinc	<1.9 mg/kg	TM181		135 M	856 M	79.8 M	63.2 M	71.2 M	600 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 261	TPE 261	TPE 262	TPE 262	TPE 263	TPE 263
			Depth (m)	1.50 - 0.00	2.50 - 0.00	0.30 - 0.00	1.80 - 0.00	0.20 - 0.00	1.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235645	9235649	9235653	9235662	9235684	9235689
			AGS Reference						
Moisture Content Ratio	%	PM024		12	13	25	17	27	17
Soil Organic Matter (SOM)	<0.35 %	TM132		2 #		6.34 #		4.95 #	1.19 #
pH	1 pH Units	TM133		7.26 M	6.11 M	6.53 M	6.11 M	6.73 M	6.66 M
Arsenic	<0.6 mg/kg	TM181		13.5 M	14.2 M	78.7 M	10 M	36.1 M	11.2 M
Cadmium	<0.02 mg/kg	TM181		0.447 M	0.361 M	0.926 M	0.335 M	0.702 M	0.0478 M
Chromium	<0.9 mg/kg	TM181		13.4 M	12.8 M	22 M	13.7 M	14.4 M	15.8 M
Copper	<1.4 mg/kg	TM181		18.8 M	20.1 M	106 M	20.8 M	51.1 M	11.7 M
Lead	<0.7 mg/kg	TM181		17.2 M	15.6 M	222 M	25.1 M	148 M	16.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.2 M	24.8 M	28.9 M	23 M	18.4 M	20.6 M
Selenium	<1 mg/kg	TM181		1.05 #	<1 #	1.54 #	1.18 #	1.06 #	1.06 #
Vanadium	<0.2 mg/kg	TM181		15.2 #	14.3 #	23.6 #	15.2 #	16.4 #	16.9 #
Zinc	<1.9 mg/kg	TM181		126 M	87.5 M	203 M	82.4 M	107 M	48.7 M

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	TPE 264	TPE 264				
			Depth (m)	0.30 - 0.00	1.00 - 0.00				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	01/05/2014	01/05/2014				
			Sample Time	.	.				
			Date Received	03/05/2014	03/05/2014				
			SDG Ref	140503-31	140503-31				
			Lab Sample No.(s)	9235693	9235697				
			AGS Reference						
Moisture Content Ratio	%	PM024		18	20				
Soil Organic Matter (SOM)	<0.35 %	TM132		6.43 #					
pH	1 pH Units	TM133		7.62 M	7.19 M				
Arsenic	<0.6 mg/kg	TM181		27.3 M	18 M				
Cadmium	<0.02 mg/kg	TM181		0.734 M	1.07 M				
Chromium	<0.9 mg/kg	TM181		20 M	15.1 M				
Copper	<1.4 mg/kg	TM181		62.8 M	59.5 M				
Lead	<0.7 mg/kg	TM181		176 M	146 M				
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M				
Nickel	<0.2 mg/kg	TM181		28.7 M	25.1 M				
Selenium	<1 mg/kg	TM181		1.61 #	2.49 #				
Vanadium	<0.2 mg/kg	TM181		19.3 #	20.7 #				
Zinc	<1.9 mg/kg	TM181		194 M	174 M				

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 162	TPE 162	TPE 162	TPE 162	TPE 164	TPE 164
			Depth (m)	0.20 - 0.00	0.80 - 0.00	1.80 - 0.00	3.00 - 0.00	0.30 - 0.00	0.90 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235597	9235602	9235612	9235617	9235554	9235565
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94	98.3	101	100	95.6	95
Acenaphthene-d10 % recovery**	%	TM218		90.6	95.3	102	102	90	94
Phenanthrene-d10 % recovery**	%	TM218		90.1	95.5	101	102	89.1	91.7
Chrysene-d12 % recovery**	%	TM218		83.8	89.8	97.5	101	80.4	85.8
Perylene-d12 % recovery**	%	TM218		83.8	90	97.9	98.2	80.5	88
Naphthalene	<9 µg/kg	TM218		22.7 M	33.8 M	10.2 M	35.9 M	<9 M	21.1 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	31.5 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	22 M	<8 M	74.4 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	59.6 M	<10 M	35.2 M
Phenanthrene	<15 µg/kg	TM218		87.7 M	136 M	129 M	240 M	<15 M	59.5 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	115 M	<16 M	73.8 M
Fluoranthene	<17 µg/kg	TM218		47.5 M	41.8 M	<17 M	45.6 M	<17 M	26.7 M
Pyrene	<15 µg/kg	TM218		33.8 M	32.3 M	<15 M	81.7 M	<15 M	24.2 M
Benz(a)anthracene	<14 µg/kg	TM218		44.8 M	38.1 M	<14 M	31.2 M	<14 M	29.1 M
Chrysene	<10 µg/kg	TM218		52.8 M	79.7 M	<10 M	45.8 M	<10 M	23.8 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		61.9 M	70.8 M	<15 M	33.1 M	<15 M	34.7 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		23.6 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		375	433	139	710	<118	434

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 164	TPE 165	TPE 165	TPE 165	TPE 226	TPE 226
			Depth (m)	1.50 - 0.00	0.20 - 0.00	1.50 - 0.00	3.50 - 0.00	0.10 - 0.10	1.20 - 1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235578	9235584	9235588	9235593	9235480	9235535
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	95.3	93.7	98.3	93.2	95.5
Acenaphthene-d10 % recovery**	%	TM218		109	91.5	91.5	98.3	94.8	94.3
Phenanthrene-d10 % recovery**	%	TM218		105	91.1	89.1	96.2	94.1	91.4
Chrysene-d12 % recovery**	%	TM218		102	83.9	79.6	90.7	92.4	85.5
Perylene-d12 % recovery**	%	TM218		95	86.2	79.3	84	96.9	81.9
Naphthalene	<9 µg/kg	TM218		<9 M	13.3 M	<9 M	40.9 M	<9 M	27.6 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		78.4 M	67.1 M	55.1 M	98.3 M	77.8 M	121 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		54.5 M	87.5 M	<17 M	<17 M	39 M	94.4 M
Pyrene	<15 µg/kg	TM218		53.7 M	67.9 M	<15 M	<15 M	25.4 M	67.6 M
Benz(a)anthracene	<14 µg/kg	TM218		31.8 M	48.5 M	<14 M	<14 M	<14 M	53.1 M
Chrysene	<10 µg/kg	TM218		40.1 M	64.5 M	25 M	<10 M	37.6 M	80.6 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		55 M	87.5 M	23.6 M	37.9 M	56 M	86.1 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	35.6 M	<14 M	<14 M	18.1 M	23.5 M
Benzo(a)pyrene	<15 µg/kg	TM218		18.8 M	50.3 M	<15 M	<15 M	19.9 M	33.5 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	33.7 M	<18 M	<18 M	<18 M	25.1 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	44.4 M	<24 M	<24 M	<24 M	32.6 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		332	600	<118	177	274	645

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 226	TPE226	TPE 227	TPE 227	TPE 227	TPE 227
			Depth (m)	2.10 - 2.10	3.00 - 3.00	0.20 - 0.20	1.00 - 1.00	2.20 - 2.20	3.00 - 3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235606	9235657	9235713	9235764	9235772	9235779
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.9	96.3	95.4	97.1	96.6	89.4
Acenaphthene-d10 % recovery**	%	TM218		97.5	97.9	95.2	98.9	96.4	87.9
Phenanthrene-d10 % recovery**	%	TM218		98.1	96.6	94.5	98.1	95.4	86.6
Chrysene-d12 % recovery**	%	TM218		97	93.2	95	94.6	93	87
Perylene-d12 % recovery**	%	TM218		97.7	88.6	98.9	96.4	95.5	92.7
Naphthalene	<9 µg/kg	TM218		<9 M	135 M	28.3 M	28 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	33.8 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	16.5 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		24.9 M	<10 M	24.7 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		89.8 M	671 M	366 M	59.2 M	40.5 M	22 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	59.6 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	81.2 M	895 M	<17 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	24.5 M	685 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		19.9 M	150 M	565 M	22.2 M	20.8 M	<14 M
Chrysene	<10 µg/kg	TM218		39.2 M	333 M	713 M	18 M	17.7 M	13.8 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		48.1 M	382 M	843 M	22.4 M	<15 M	19.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	46.9 M	329 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	575 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	402 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	33.3 M	160 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	436 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		222	1860	6130	150	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 230	TPE 230	TPE 230	TPE 230	TPE 230	TPE 231
			Depth (m)	0.10 - 0.10	1.00 - 1.00	1.50 - 1.50	2.50 - 2.50	3.50 - 0.00	0.30 - 0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235783	9235484	9235488	9235493	9235755	9235498
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92.1	112	94.6	108	96.5	97.2
Acenaphthene-d10 % recovery**	%	TM218		93.5	112	91.6	107	95.7	95.4
Phenanthrene-d10 % recovery**	%	TM218		92.6	108	88.1	103	93.7	97
Chrysene-d12 % recovery**	%	TM218		93.7	94.1	82.5	95.5	89.2	102
Perylene-d12 % recovery**	%	TM218		101	90.4	80.4	92.7	87.1	113
Naphthalene	<9 µg/kg	TM218		23.3 M	48.7 M	<9 M	77.4 M	<9 M	59.6 M
Acenaphthylene	<12 µg/kg	TM218		15.5 M	15.6 M	<12 M	<12 M	<12 M	47.7 M
Acenaphthene	<8 µg/kg	TM218		<8 M	11.1 M	<8 M	12 M	<8 M	48.4 M
Fluorene	<10 µg/kg	TM218		<10 M	12 M	<10 M	<10 M	<10 M	86.5 M
Phenanthrene	<15 µg/kg	TM218		111 M	157 M	151 M	106 M	41.7 M	909 M
Anthracene	<16 µg/kg	TM218		20.7 M	<16 M	<16 M	<16 M	<16 M	190 M
Fluoranthene	<17 µg/kg	TM218		146 M	209 M	24.4 M	71.8 M	<17 M	1620 M
Pyrene	<15 µg/kg	TM218		124 M	189 M	37.5 M	48.2 M	<15 M	1160 M
Benz(a)anthracene	<14 µg/kg	TM218		101 M	75.4 M	<14 M	35.5 M	<14 M	1300 M
Chrysene	<10 µg/kg	TM218		168 M	144 M	83.3 M	53.7 M	<10 M	1140 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		202 M	195 M	78.6 M	67 M	24.5 M	1550 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		61.9 M	66.1 M	<14 M	20.3 M	21.7 M	512 M
Benzo(a)pyrene	<15 µg/kg	TM218		105 M	95 M	<15 M	21.2 M	<15 M	1120 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		85.9 M	81.5 M	<18 M	<18 M	<18 M	579 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		39.2 M	31 M	<23 M	<23 M	<23 M	226 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		105 M	101 M	<24 M	<24 M	<24 M	652 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1310	1430	374	513	<118	11200

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 231	TPE 231	TPE 231	TPE 231	TPE 232	TPE 232
			Depth (m)	1.20 - 1.20	2.50 - 2.50	3.50 - 3.50	4.50 - 4.50	0.10 - 0.10	1.20 - 1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235503	9235507	9235512	9235517	9235522	9235529
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	102	99.3	96.5	93	98.8
Acenaphthene-d10 % recovery**	%	TM218		108	104	99	97.7	94.8	98.3
Phenanthrene-d10 % recovery**	%	TM218		107	105	99.3	96.7	95	97.6
Chrysene-d12 % recovery**	%	TM218		112	107	104	95.8	101	101
Perylene-d12 % recovery**	%	TM218		121	111	111	100	113	107
Naphthalene	<9 µg/kg	TM218		163 M	111 M	149 M	10.7 M	151 M	502 M
Acenaphthylene	<12 µg/kg	TM218		45.5 M	32.4 M	41.6 M	<12 M	368 M	<12 M
Acenaphthene	<8 µg/kg	TM218		135 M	128 M	87.3 M	<8 M	65.7 M	402 M
Fluorene	<10 µg/kg	TM218		453 M	414 M	217 M	<10 M	209 M	444 M
Phenanthrene	<15 µg/kg	TM218		953 M	1000 M	564 M	81.3 M	2130 M	1180 M
Anthracene	<16 µg/kg	TM218		329 M	344 M	189 M	<16 M	802 M	282 M
Fluoranthene	<17 µg/kg	TM218		1140 M	1480 M	889 M	67.3 M	4290 M	1420 M
Pyrene	<15 µg/kg	TM218		981 M	1100 M	706 M	60.2 M	3350 M	1030 M
Benz(a)anthracene	<14 µg/kg	TM218		583 M	683 M	551 M	18.7 M	2710 M	616 M
Chrysene	<10 µg/kg	TM218		649 M	780 M	612 M	45.4 M	2190 M	564 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		755 M	802 M	1040 M	59.2 M	3070 M	866 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		364 M	319 M	386 M	23.3 M	1240 M	284 M
Benzo(a)pyrene	<15 µg/kg	TM218		628 M	525 M	621 M	32.9 M	2650 M	484 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		337 M	303 M	397 M	24.1 M	1520 M	253 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		137 M	133 M	145 M	<23 M	523 M	109 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		414 M	342 M	469 M	35.8 M	1640 M	294 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		8070	8500	7060	459	26900	8720

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 232	TPE 232	TPE 232	TPE 255	TPE 255	TPE 255
			Depth (m)	1.60 - 1.60	2.60 - 2.60	4.00 - 0.00	0.20 - 0.00	1.20 - 0.00	2.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	02/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235541	9235547	9235759	9235732	9235743	9235747
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		82.5	93.1	97.2	97.6	112	104
Acenaphthene-d10 % recovery**	%	TM218		79.8	93.3	97.4	93.2	110	105
Phenanthrene-d10 % recovery**	%	TM218		77.8	92.2	96.2	92.9	105	103
Chrysene-d12 % recovery**	%	TM218		78.2	93	95.2	87.1	88.1	99.2
Perylene-d12 % recovery**	%	TM218		81.4	98.4	98.7	90.4	79	99.3
Naphthalene	<9 µg/kg	TM218		877 M	155 M	11.3 M	32.7 M	121 M	11.6 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	15 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		552 M	98 M	<8 M	<8 M	13.6 M	<8 M
Fluorene	<10 µg/kg	TM218		728 M	121 M	<10 M	<10 M	12.2 M	<10 M
Phenanthrene	<15 µg/kg	TM218		2310 M	319 M	106 M	108 M	258 M	105 M
Anthracene	<16 µg/kg	TM218		688 M	67 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		3420 M	403 M	<17 M	116 M	357 M	35.9 M
Pyrene	<15 µg/kg	TM218		2400 M	307 M	<15 M	86.5 M	226 M	24.7 M
Benz(a)anthracene	<14 µg/kg	TM218		1340 M	128 M	<14 M	73.4 M	123 M	<14 M
Chrysene	<10 µg/kg	TM218		1230 M	183 M	72.2 M	108 M	220 M	36.5 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1730 M	204 M	75.6 M	125 M	216 M	51.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		612 M	80.7 M	<14 M	47.8 M	78 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		977 M	117 M	<15 M	68.2 M	104 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		508 M	78.2 M	<18 M	51.8 M	59.1 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		219 M	34 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		553 M	107 M	<24 M	68.5 M	74.5 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		18200	2420	265	886	1860	265

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 256	TPE 256	TPE 256	TPE 257	TPE 257	TPE 258
			Depth (m)	0.10 - 0.00	0.90 - 0.00	1.50 - 0.00	0.20 - 0.00	1.20 - 0.00	0.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235709	9235718	9235722	9235701	9235705	9235666
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		121	93.7	100	92.8	103	107
Acenaphthene-d10 % recovery**	%	TM218		117	95	102	89.5	102	104
Phenanthrene-d10 % recovery**	%	TM218		116	93.2	101	90.7	100	105
Chrysene-d12 % recovery**	%	TM218		112	88.7	98.4	93.5	99.7	107
Perylene-d12 % recovery**	%	TM218		118	95.2	94.3	101	99.7	117
Naphthalene	<9 µg/kg	TM218		41 M	54.5 M	192 M	44.5 M	38.8 M	54.8 M
Acenaphthylene	<12 µg/kg	TM218		17.9 M	<12 M	<12 M	37.5 M	17.4 M	<12 M
Acenaphthene	<8 µg/kg	TM218		45.4 M	<8 M	13.2 M	234 M	70.1 M	20.8 M
Fluorene	<10 µg/kg	TM218		33.1 M	32.7 M	63.7 M	168 M	59.4 M	22.2 M
Phenanthrene	<15 µg/kg	TM218		361 M	73.5 M	119 M	1320 M	554 M	288 M
Anthracene	<16 µg/kg	TM218		49.2 M	19.4 M	<16 M	264 M	95.3 M	47 M
Fluoranthene	<17 µg/kg	TM218		730 M	43.3 M	<17 M	2920 M	1350 M	659 M
Pyrene	<15 µg/kg	TM218		568 M	33.7 M	<15 M	2170 M	1010 M	510 M
Benz(a)anthracene	<14 µg/kg	TM218		503 M	20 M	<14 M	2250 M	780 M	486 M
Chrysene	<10 µg/kg	TM218		692 M	35.2 M	13 M	2170 M	903 M	543 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1080 M	53.3 M	17.9 M	3730 M	1220 M	834 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		376 M	<14 M	<14 M	1330 M	479 M	312 M
Benzo(a)pyrene	<15 µg/kg	TM218		634 M	30.9 M	<15 M	2540 M	796 M	543 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		500 M	26.2 M	<18 M	1480 M	538 M	362 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		168 M	<23 M	<23 M	532 M	192 M	124 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		683 M	33.3 M	<24 M	1760 M	639 M	445 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		6480	456	418	22900	8740	5250

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 258	TPE 259	TPE 260	TPE 260	TPE 260	TPE 261
			Depth (m)	1.50 - 0.00	0.30 - 0.00	0.20 - 0.00	1.50 - 0.00	2.50 - 0.00	0.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235679	9235622	9235628	9235632	9235637	9235641
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.9	95.4	87.2	101	99.2	93.6
Acenaphthene-d10 % recovery**	%	TM218		101	92.8	85.9	101	101	92
Phenanthrene-d10 % recovery**	%	TM218		100	93.6	87.1	97.7	99.8	92.9
Chrysene-d12 % recovery**	%	TM218		98	82.5	83.3	96.1	102	85.7
Perylene-d12 % recovery**	%	TM218		100	82.7	86.3	95.6	108	86.6
Naphthalene	<9 µg/kg	TM218		262 M	20.1 M	<9 M	36.6 M	101 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	16.5 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		124 M	<8 M	25.3 M	41.3 M	190 M	13.7 M
Fluorene	<10 µg/kg	TM218		529 M	12.5 M	23.6 M	127 M	517 M	17.4 M
Phenanthrene	<15 µg/kg	TM218		1170 M	156 M	<15 M	219 M	770 M	99.4 M
Anthracene	<16 µg/kg	TM218		319 M	<16 M	<16 M	55.8 M	147 M	<16 M
Fluoranthene	<17 µg/kg	TM218		224 M	88.1 M	<17 M	<17 M	<17 M	132 M
Pyrene	<15 µg/kg	TM218		271 M	83.3 M	<15 M	<15 M	<15 M	93.4 M
Benz(a)anthracene	<14 µg/kg	TM218		113 M	43.9 M	<14 M	116 M	<14 M	54.1 M
Chrysene	<10 µg/kg	TM218		277 M	130 M	12.5 M	58.8 M	29.2 M	80.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		288 M	163 M	19.2 M	34.8 M	61.1 M	89 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		67.3 M	41 M	<14 M	<14 M	<14 M	37.7 M
Benzo(a)pyrene	<15 µg/kg	TM218		157 M	47.7 M	<15 M	<15 M	<15 M	63.9 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		146 M	38.9 M	<18 M	<18 M	<18 M	34.9 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		53.9 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		178 M	66 M	<24 M	<24 M	<24 M	45.1 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4180	891	<118	689	1820	760

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 261	TPE 261	TPE 262	TPE 262	TPE 263	TPE 263
			Depth (m)	1.50 - 0.00	2.50 - 0.00	0.30 - 0.00	1.80 - 0.00	0.20 - 0.00	1.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235645	9235649	9235653	9235662	9235684	9235689
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.1	100	95.6	104	109	103
Acenaphthene-d10 % recovery**	%	TM218		96	99.2	90.7	100	106	99.5
Phenanthrene-d10 % recovery**	%	TM218		94.6	96.2	92.1	96.8	105	98.9
Chrysene-d12 % recovery**	%	TM218		89.9	95.1	89.2	104	107	93.4
Perylene-d12 % recovery**	%	TM218		89.3	91.1	93.9	103	120	86.9
Naphthalene	<9 µg/kg	TM218		<9 M	12.8 M	50.8 M	<9 M	73.5 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	29.8 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	19.6 M	150 M	26.8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	19.4 M	717 M	40.9 M	<10 M
Phenanthrene	<15 µg/kg	TM218		115 M	122 M	277 M	1120 M	313 M	24.9 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	36.5 M	266 M	90.4 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	547 M	<17 M	815 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	458 M	110 M	971 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	304 M	<14 M	870 M	<14 M
Chrysene	<10 µg/kg	TM218		46.9 M	37.5 M	333 M	<10 M	965 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		41.6 M	37.4 M	420 M	<15 M	1710 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	178 M	<14 M	609 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		28.5 M	<15 M	275 M	<15 M	1210 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	155 M	<18 M	727 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	51 M	<23 M	278 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	203 M	<24 M	868 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		232	210	3330	2360	9590	<118

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 264	TPE 264				
			Depth (m)	0.30 - 0.00	1.00 - 0.00				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	01/05/2014	01/05/2014				
			Sample Time	.	.				
			Date Received	03/05/2014	03/05/2014				
			SDG Ref	140503-31	140503-31				
			Lab Sample No.(s)	9235693	9235697				
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.3	106				
Acenaphthene-d10 % recovery**	%	TM218		91.3	104				
Phenanthrene-d10 % recovery**	%	TM218		92.4	102				
Chrysene-d12 % recovery**	%	TM218		92.6	98.1				
Perylene-d12 % recovery**	%	TM218		99.5	109				
Naphthalene	<9 µg/kg	TM218		53.2 M	64.1 M				
Acenaphthylene	<12 µg/kg	TM218		15.5 M	<12 M				
Acenaphthene	<8 µg/kg	TM218		44.3 M	19.6 M				
Fluorene	<10 µg/kg	TM218		44.1 M	29.9 M				
Phenanthrene	<15 µg/kg	TM218		467 M	260 M				
Anthracene	<16 µg/kg	TM218		79.3 M	42.7 M				
Fluoranthene	<17 µg/kg	TM218		976 M	536 M				
Pyrene	<15 µg/kg	TM218		741 M	399 M				
Benz(a)anthracene	<14 µg/kg	TM218		693 M	335 M				
Chrysene	<10 µg/kg	TM218		760 M	431 M				
Benzo(b)fluoranthene	<15 µg/kg	TM218		1090 M	610 M				
Benzo(k)fluoranthene	<14 µg/kg	TM218		414 M	209 M				
Benzo(a)pyrene	<15 µg/kg	TM218		720 M	387 M				
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		417 M	272 M				
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		156 M	106 M				
Benzo(g,h,i)perylene	<24 µg/kg	TM218		537 M	328 M				
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		7210	4030				

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 162	TPE 162	TPE 162	TPE 162	TPE 164	TPE 164
			Depth (m)	0.20 - 0.00	0.80 - 0.00	1.80 - 0.00	3.00 - 0.00	0.30 - 0.00	0.90 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235597	9235602	9235612	9235617	9235554	9235565
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		78	94	75	88	101	75
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	123 M	2330 M	<44 M	5810 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	2.42 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	10.7 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	17.1	22.6	<10	130
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	22.5	140	<10	676
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	36.4	1240	<10	2720
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	3920	88500	<100	403000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	7970	129000	<100	250000
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	3070	19900	60600	<100	14500
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	843	1700	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	3070	32600	279000	<100	668000
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	17.1	95.9	<10	462
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	24.6	825	<10	1810
Aromatics >EC12-EC16	<100 µg/kg	TM173		1600	<100	1600	52900	<100	118000
Aromatics >EC16-EC21	<100 µg/kg	TM173		2820	<100	3160	86400	<100	139000
Aromatics >EC21-EC35	<100 µg/kg	TM173		11400	<100	4830	40300	<100	23000
Aromatics >EC35-EC44	<100 µg/kg	TM173		8990	405	1340	3290	<100	2110
Aromatics >EC40-EC44	<100 µg/kg	TM173		4190	<100	<100	<100	<100	381
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		24800	405	10900	183000	<100	283000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		24800	3490	43700	465000	<100	957000

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 164	TPE 165	TPE 165	TPE 165	TPE 226	TPE 226
			Depth (m)	1.50 - 0.00	0.20 - 0.00	1.50 - 0.00	3.50 - 0.00	0.10 - 0.10	1.20 - 1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235578	9235584	9235588	9235593	9235480	9235535
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		81	75	90	81	101	83
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		26000 M	<44 M	<44 M	56100 M	<44 M	192 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		12.4 M	<10 M	<10 M	18.4 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	8.33 M	20.3 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	3.72 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		13.6	<10	<10	33.5	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		1770	<10	<10	1640	<10	14.9
Aliphatics >C8-C10	<10 µg/kg	TM089		8180	<10	<10	14000	<10	38.4
Aliphatics >C10-C12	<10 µg/kg	TM089		6320	<10	<10	18700	<10	59.5
Aliphatics >C12-C16	<100 µg/kg	TM173		682000	<100	<100	18900	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		425000	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		39900	<100	<100	<100	<100	3520
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1150000	<100	<100	18900	<100	3520
Aromatics >EC5-EC7	<10 µg/kg	TM089		12.4	<10	<10	18.4	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	20.3	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		5450	<10	<10	9340	<10	34.7
Aromatics >EC10-EC12	<10 µg/kg	TM089		4210	<10	<10	12400	<10	39.7
Aromatics >EC12-EC16	<100 µg/kg	TM173		246000	<100	<100	6550	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		280000	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		31000	569	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		925	841	<100	<100	<100	5480
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	2370
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		558000	1410	<100	6550	<100	5480
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1730000	1430	<100	81600	<100	9190

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 226	TPE226	TPE 227	TPE 227	TPE 227	TPE 227
			Depth (m)	2.10 - 2.10	3.00 - 3.00	0.20 - 0.20	1.00 - 1.00	2.20 - 2.20	3.00 - 3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235606	9235657	9235713	9235764	9235772	9235779
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		64	22	90	123	127	168
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		37500 M	17600 M	<44 M	104000 M	370000 M	368000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<50 M	<50 M	<100 M
Benzene	<10 µg/kg	TM089		<10 M	153 M	<10 M	<100 M	256 M	<200 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<20 M	<20 M	<40 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	47 M	<3 M	<30 M	<30 M	<60 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<60 M	<60 M	<120 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<30 M	<30 M	<60 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<180
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	200	<24	<24	256	<480
Aliphatics >C5-C6	<10 µg/kg	TM089		23.7	371	<10	<100	125	<200
Aliphatics >C6-C8	<10 µg/kg	TM089		1200	3320	12.5	6560	61900	54200
Aliphatics >C8-C10	<10 µg/kg	TM089		4360	2720	11.4	51500	175000	172000
Aliphatics >C10-C12	<10 µg/kg	TM089		17400	5500	<10	7150	9870	15900
Aliphatics >C12-C16	<100 µg/kg	TM173		761000	111000	<100	5140	23600	38400
Aliphatics >C16-C21	<100 µg/kg	TM173		53600	4190	1860	798	6490	15900
Aliphatics >C21-C35	<100 µg/kg	TM173		14900	<100	4440	<100	<100	12000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	126	14800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		830000	115000	6300	5940	30200	81200
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	153	<10	<100	256	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<100	<100	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		2910	1860	13.7	34300	117000	115000
Aromatics >EC10-EC12	<10 µg/kg	TM089		11600	3670	<10	4770	6580	10600
Aromatics >EC12-EC16	<100 µg/kg	TM173		80900	16400	864	3020	6290	11800
Aromatics >EC16-EC21	<100 µg/kg	TM173		17200	4310	4840	<100	183	4950
Aromatics >EC21-EC35	<100 µg/kg	TM173		8410	4850	18900	<100	<100	3700
Aromatics >EC35-EC44	<100 µg/kg	TM173		1230	3810	9490	3020	1820	20400
Aromatics >EC40-EC44	<100 µg/kg	TM173		340	1870	3300	1320	785	10400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		108000	29300	34100	6050	8290	40800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		975000	162000	40400	116000	409000	490000

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 230	TPE 230	TPE 230	TPE 230	TPE 230	TPE 231
			Depth (m)	0.10 - 0.10	1.00 - 1.00	1.50 - 1.50	2.50 - 2.50	3.50 - 0.00	0.30 - 0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235783	9235484	9235488	9235493	9235755	9235498
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		34	31	63	44	86	52
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		60.4 M	2860 M	1020 M	7740 M	<44 M	314 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	33.9	16.1	61.7	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		16	1030	118	988	<10	61
Aliphatics >C8-C10	<10 µg/kg	TM089		14.8	1030	231	3220	11.9	89.7
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	48	298	789	<10	56.4
Aliphatics >C12-C16	<100 µg/kg	TM173		7870	1290	110	<100	<100	2540
Aliphatics >C16-C21	<100 µg/kg	TM173		10800	3240	<100	<100	550	9440
Aliphatics >C21-C35	<100 µg/kg	TM173		79100	15500	768	2550	<100	38100
Aliphatics >C35-C44	<100 µg/kg	TM173		13500	5560	<100	<100	2390	13300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		111000	25600	878	2550	2940	63400
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		13.7	686	154	2150	10.9	59.8
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	31.6	198	526	<10	38
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	774	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		2040	1730	<100	<100	<100	6620
Aromatics >EC21-EC35	<100 µg/kg	TM173		60100	24000	<100	2120	<100	52900
Aromatics >EC35-EC44	<100 µg/kg	TM173		21900	12700	2430	5980	<100	31200
Aromatics >EC40-EC44	<100 µg/kg	TM173		6310	4460	791	2220	<100	11700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		84000	38400	3200	8100	<100	90700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		195000	66800	5090	18400	2970	154000

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 231	TPE 231	TPE 231	TPE 231	TPE 232	TPE 232
			Depth (m)	1.20 - 1.20	2.50 - 2.50	3.50 - 3.50	4.50 - 4.50	0.10 - 0.10	1.20 - 1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235503	9235507	9235512	9235517	9235522	9235529
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		85	105	120	72	63	268 3
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		22100 M	36900 M	275000 M	13800 M	1420 M	4390000 3 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<25 M	<100 M	<5 M	<5 M	<100 3 M
Benzene	<10 µg/kg	TM089		13.6 M	76.7 M	<200 M	15.7 M	<10 M	3350 3 M
Toluene	<2 µg/kg	TM089		<2 M	<10 M	<40 M	<2 M	<2 M	<40 3 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<15 M	<60 M	<3 M	<3 M	<60 3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<30 M	<120 M	<6 M	<6 M	<120 3 M
o-Xylene	<3 µg/kg	TM089		<3 M	<15 M	<60 M	<3 M	<3 M	<60 3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<180 3
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	76.7	<24	<24	<24	3350 3
Aliphatics >C5-C6	<10 µg/kg	TM089		36	172	811	32.5	46	161000 3
Aliphatics >C6-C8	<10 µg/kg	TM089		2830	14000	74800	2750	164	2060000 3
Aliphatics >C8-C10	<10 µg/kg	TM089		9410	11300	90100	5620	223	1180000 3
Aliphatics >C10-C12	<10 µg/kg	TM089		2100	2290	29400	1000	499	120000 3
Aliphatics >C12-C16	<100 µg/kg	TM173		230000	167000	394000	<100	29300	485000
Aliphatics >C16-C21	<100 µg/kg	TM173		380000	220000	462000	<100	68100	204000
Aliphatics >C21-C35	<100 µg/kg	TM173		479000	106000	359000	5410	89300	406000
Aliphatics >C35-C44	<100 µg/kg	TM173		86800	19000	32500	1640	12600	83700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1180000	512000	1250000	7050	199000	1180000
Aromatics >EC5-EC7	<10 µg/kg	TM089		13.6	76.7	211	15.7	<10	3350 3
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<50	<200	<10	<10	<200 3
Aromatics >EC8-EC10	<10 µg/kg	TM089		6280	7540	60100	3750	154	788000 3
Aromatics >EC10-EC12	<10 µg/kg	TM089		1400	1530	19600	668	332	80200 3
Aromatics >EC12-EC16	<100 µg/kg	TM173		67500	122000	167000	<100	14100	239000
Aromatics >EC16-EC21	<100 µg/kg	TM173		162000	179000	245000	<100	58700	122000
Aromatics >EC21-EC35	<100 µg/kg	TM173		402000	139000	313000	3790	167000	374000
Aromatics >EC35-EC44	<100 µg/kg	TM173		98400	37000	66900	8070	53900	107000
Aromatics >EC40-EC44	<100 µg/kg	TM173		29400	13400	23700	3650	18600	37500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		730000	478000	792000	11900	294000	842000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1930000	1030000	2310000	32700	495000	6410000

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 232	TPE 232	TPE 232	TPE 255	TPE 255	TPE 255
			Depth (m)	1.60 - 1.60	2.60 - 2.60	4.00 - 0.00	0.20 - 0.00	1.20 - 0.00	2.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	02/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235541	9235547	9235759	9235732	9235743	9235747
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		231 3	195	105	52	36	87
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3860000 3 M	1700000 3 M	14300 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 3 M	<100 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		2820 3 M	<200 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<40 3 M	<40 M	<2 M	<2 M	2.42 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<60 3 M	<60 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<120 3 M	<120 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<60 3 M	<60 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<180 3	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		2820 3	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		105000 3	47800 3	46.7	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		1780000 3	839000 3	2000	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		1070000 3	417000 3	6640	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		108000 3	69700 3	720	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		304000	172000	6380	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		102000	42700	2320	<100	362	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		290000	82800	1070	637	4480	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		21900	10100	260	<100	393	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		719000	308000	10000	637	5230	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		2820 3	<200 3	10.3	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 3	<200 3	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		716000 3	278000 3	4430	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		71900 3	46500 3	480	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		294000	89000	2430	1290	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		189000	38100	<100	2140	1030	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		588000	119000	<100	9640	7270	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		95500	18500	<100	7270	5250	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		31900	5580	<100	3340	1660	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1170000	265000	2430	20300	13600	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		5740000	2270000	26800	21000	18800	<100

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 256	TPE 256	TPE 256	TPE 257	TPE 257	TPE 258
			Depth (m)	0.10 - 0.00	0.90 - 0.00	1.50 - 0.00	0.20 - 0.00	1.20 - 0.00	0.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235709	9235718	9235722	9235701	9235705	9235666
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		87	125	165	90	41	100
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		60.8 M	871000 M	2900000 3 M	111 M	<44 M	340 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<50 M	<100 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	319 M	<200 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<20 M	<40 M	12.1 M	11.3 M	2.56 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<30 M	<60 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<60 M	<120 M	7.26 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<30 M	<60 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	319	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	1700	121000 3	<10	<10	17.9
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	82200	798000 3	23	<10	35.8
Aliphatics >C8-C10	<10 µg/kg	TM089		12.2	343000	847000 3	19.4	<10	70.4
Aliphatics >C10-C12	<10 µg/kg	TM089		13.5	129000	341000 3	13.3	<10	98.6
Aliphatics >C12-C16	<100 µg/kg	TM173		516	206000	132000	<100	806	4560
Aliphatics >C16-C21	<100 µg/kg	TM173		363	36800	49400	4610	3200	32500
Aliphatics >C21-C35	<100 µg/kg	TM173		1820	3240	8180	7740	12400	49000
Aliphatics >C35-C44	<100 µg/kg	TM173		436	347	311	<100	3740	6610
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3130	246000	190000	12400	20200	92600
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	319	<200 3	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<100	<200 3	12.1	11.3	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		10.8	229000	565000 3	23	<10	48.6
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	86000	227000 3	<10	<10	66.6
Aromatics >EC12-EC16	<100 µg/kg	TM173		921	115000	54400	1660	5770	1880
Aromatics >EC16-EC21	<100 µg/kg	TM173		2630	31100	18300	17300	18200	12700
Aromatics >EC21-EC35	<100 µg/kg	TM173		17400	10700	<100	89000	61300	58900
Aromatics >EC35-EC44	<100 µg/kg	TM173		11800	3160	249	53000	21700	24800
Aromatics >EC40-EC44	<100 µg/kg	TM173		5490	1150	405	24000	7510	8970
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		32800	160000	72900	161000	107000	98300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		36000	1280000	3160000	173000	127000	191000

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 258	TPE 259	TPE 260	TPE 260	TPE 260	TPE 261
			Depth (m)	1.50 - 0.00	0.30 - 0.00	0.20 - 0.00	1.50 - 0.00	2.50 - 0.00	0.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235679	9235622	9235628	9235632	9235637	9235641
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		53	17	104	126	150	100
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		50000 M	222 M	1600 M	35300 M	62300 M	784 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	105 M	285 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	105	285	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	106	1440	10.9
Aliphatics >C6-C8	<10 µg/kg	TM089		595	16.7	32.1	8230	26900	128
Aliphatics >C8-C10	<10 µg/kg	TM089		11500	21.1	88.1	10900	15700	175
Aliphatics >C10-C12	<10 µg/kg	TM089		18100	94.4	847	5200	4460	211
Aliphatics >C12-C16	<100 µg/kg	TM173		437000	9140	327000	76300	333000	4750
Aliphatics >C16-C21	<100 µg/kg	TM173		407000	20100	406000	106000	273000	15900
Aliphatics >C21-C35	<100 µg/kg	TM173		134000	16300	29800	3440	14700	3620
Aliphatics >C35-C44	<100 µg/kg	TM173		2000	2420	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		980000	48000	762000	185000	621000	24200
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	105	285	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		7680	21.1	59.5	7270	10500	117
Aromatics >EC10-EC12	<10 µg/kg	TM089		12100	63.3	565	3460	2970	140
Aromatics >EC12-EC16	<100 µg/kg	TM173		146000	999	37200	29600	150000	4030
Aromatics >EC16-EC21	<100 µg/kg	TM173		182000	4410	137000	58600	133000	11300
Aromatics >EC21-EC35	<100 µg/kg	TM173		78000	6920	15900	1720	5360	16400
Aromatics >EC35-EC44	<100 µg/kg	TM173		2720	7000	1310	<100	<100	9340
Aromatics >EC40-EC44	<100 µg/kg	TM173		658	2630	1310	<100	<100	4770
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		408000	19300	191000	90000	289000	41000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1440000	67500	955000	311000	972000	66100

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 261	TPE 261	TPE 262	TPE 262	TPE 263	TPE 263
			Depth (m)	1.50 - 0.00	2.50 - 0.00	0.30 - 0.00	1.80 - 0.00	0.20 - 0.00	1.20 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			Sample Time	.	.	.	.	.	.
			Date Received	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014	03/05/2014
			SDG Ref	140503-31	140503-31	140503-31	140503-31	140503-31	140503-31
			Lab Sample No.(s)	9235645	9235649	9235653	9235662	9235684	9235689
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		93	88	65	120	80	107
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		123 M	2320 M	4490 M	112000 M	610 M	167 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<10 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<20 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	9.31 M	<4 M	6.9 M	3.63 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<6 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<12 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<6 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	15	12	25.2	27.6	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		13.7	248	39.9	2770	59.3	18.2
Aliphatics >C8-C10	<10 µg/kg	TM089		22.8	817	588	35800	73.1	29
Aliphatics >C10-C12	<10 µg/kg	TM089		36.5	412	2070	29500	232	50.8
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	3830	384000	33600	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	16700	291000	150000	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	18300	60500	190000	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	1580	<100	35900	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	40500	736000	410000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<20	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<20	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		19.4	549	395	23900	52.4	23
Aromatics >EC10-EC12	<10 µg/kg	TM089		25.1	274	1380	19700	155	33.9
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	1570	151000	7280	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	5160	165000	66100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	20200	53900	134000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	10900	506	44700	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	3520	<100	17000	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	37800	370000	253000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	2320	82800	1220000	663000	100

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 264	TPE 264				
			Depth (m)	0.30 - 0.00	1.00 - 0.00				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	01/05/2014	01/05/2014				
			Sample Time	.	.				
			Date Received	03/05/2014	03/05/2014				
			SDG Ref	140503-31	140503-31				
			Lab Sample No.(s)	9235693	9235697				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		73	92				
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		364 M	6520 M				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M				
Benzene	<10 µg/kg	TM089		<10 M	<10 M				
Toluene	<2 µg/kg	TM089		3.66 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		11	14.9				
Aliphatics >C6-C8	<10 µg/kg	TM089		37.8	394				
Aliphatics >C8-C10	<10 µg/kg	TM089		67.1	1320				
Aliphatics >C10-C12	<10 µg/kg	TM089		111	2350				
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	31300				
Aliphatics >C16-C21	<100 µg/kg	TM173		2370	43700				
Aliphatics >C21-C35	<100 µg/kg	TM173		3180	30500				
Aliphatics >C35-C44	<100 µg/kg	TM173		728	8780				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		6270	114000				
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		52.5	879				
Aromatics >EC10-EC12	<10 µg/kg	TM089		74.4	1570				
Aromatics >EC12-EC16	<100 µg/kg	TM173		1120	6130				
Aromatics >EC16-EC21	<100 µg/kg	TM173		3830	21300				
Aromatics >EC21-EC35	<100 µg/kg	TM173		22500	43000				
Aromatics >EC35-EC44	<100 µg/kg	TM173		13800	25400				
Aromatics >EC40-EC44	<100 µg/kg	TM173		6070	10600				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		41200	95800				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		47800	217000				

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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	TPE 162 0.20 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235597 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 162 0.80 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235602 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 164 0.30 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235554 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 164 0.90 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235565 TM048	12/5/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 165 0.20 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235584 TM048	12/5/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

		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	TPE 226 0.10 - 0.10 SOLID 01/05/2014 00:00:00 140503-31 9235480 TM048	09/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 227 0.20 - 0.20 SOLID 01/05/2014 00:00:00 140503-31 9235713 TM048	09/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 230 0.10 - 0.10 SOLID 01/05/2014 00:00:00 140503-31 9235783 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 230 1.00 - 1.00 SOLID 01/05/2014 00:00:00 140503-31 9235484 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 231 0.30 - 0.30 SOLID 01/05/2014 00:00:00 140503-31 9235498 TM048	09/05/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 232 0.10 - 0.10 SOLID 01/05/2014 00:00:00 140503-31 9235522 TM048	12/5/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

		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	TPE 255 0.20 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235732 TM048	08/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 256 0.10 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235709 TM048	12/5/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 256 0.90 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235718 TM048	12/5/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 257 0.20 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235701 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 258 0.20 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235666 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 259 0.30 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235622 TM048	12/5/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

		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	TPE 260 0.20 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235628 TM048	12/5/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 261 0.20 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235641 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 262 0.30 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235653 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 263 0.20 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235684 TM048	12/5/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 264 0.30 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235693 TM048	12/5/14	Simon Postlewhite	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 264 1.00 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235697 TM048	12/5/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 231 0.30 - 0.30 SOLID 01/05/2014 00:00:00 140503-31 9235498 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0014 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE 264 0.30 - 0.00 SOLID 01/05/2014 00:00:00 140503-31 9235693 TM 304	None (#)	N/C	0.0054 (#)	<0.001 (#)	0.0059 (#)

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Test Completion Dates

Lab Sample No(s)	9235597	9235602	9235612	9235617	9235554	9235565	9235578	9235584	9235588	9235593
Customer Sample Ref.	TPE 162	TPE 162	TPE 162	TPE 162	TPE 164	TPE 164	TPE 164	TPE 165	TPE 165	TPE 165
AGS Ref.										
Depth	0.20 - 0.00	0.80 - 0.00	1.80 - 0.00	3.00 - 0.00	0.30 - 0.00	0.90 - 0.00	1.50 - 0.00	0.20 - 0.00	1.50 - 0.00	3.50 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	12-May-2014	12-May-2014			12-May-2014	12-May-2014		12-May-2014		
EPH CWG (Aliphatic) GC (S)	12-May-2014	12-May-2014	13-May-2014	13-May-2014	12-May-2014	12-May-2014	09-May-2014	12-May-2014	09-May-2014	09-May-2014
EPH CWG (Aromatic) GC (S)	12-May-2014	12-May-2014	13-May-2014	13-May-2014	12-May-2014	12-May-2014	09-May-2014	12-May-2014	09-May-2014	09-May-2014
GRO by GC-FID (S)	11-May-2014	09-May-2014	10-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	12-May-2014	12-May-2014	10-May-2014
Metals in solid samples by OES	09-May-2014	09-May-2014	12-May-2014	12-May-2014	09-May-2014	09-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014
PAH by GCMS	12-May-2014	12-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	09-May-2014	12-May-2014	09-May-2014	09-May-2014
pH	12-May-2014	12-May-2014	08-May-2014	08-May-2014	12-May-2014	12-May-2014	09-May-2014	12-May-2014	08-May-2014	09-May-2014
Sample description	06-May-2014	06-May-2014	07-May-2014	07-May-2014	06-May-2014	06-May-2014	07-May-2014	06-May-2014	07-May-2014	07-May-2014
Total Organic Carbon	09-May-2014		08-May-2014	08-May-2014	09-May-2014		08-May-2014	09-May-2014		08-May-2014
TPH CWG GC (S)	12-May-2014	12-May-2014	13-May-2014	13-May-2014	12-May-2014	12-May-2014	12-May-2014	12-May-2014	12-May-2014	10-May-2014

Lab Sample No(s)	9235657	9235480	9235535	9235606	9235713	9235764	9235772	9235779	9235484	9235488
Customer Sample Ref.	TPE226	TPE 226	TPE 226	TPE 226	TPE 227	TPE 227	TPE 227	TPE 227	TPE 230	TPE 230
AGS Ref.										
Depth	3.00 - 3.00	0.10 - 0.10	1.20 - 1.20	2.10 - 2.10	0.20 - 0.20	1.00 - 1.00	2.20 - 2.20	3.00 - 3.00	1.00 - 1.00	1.50 - 1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		12-May-2014			12-May-2014				12-May-2014	
EPH CWG (Aliphatic) GC (S)	12-May-2014	09-May-2014	08-May-2014	09-May-2014	08-May-2014	09-May-2014	09-May-2014	08-May-2014	08-May-2014	12-May-2014
EPH CWG (Aromatic) GC (S)	12-May-2014	09-May-2014	08-May-2014	09-May-2014	08-May-2014	09-May-2014	09-May-2014	08-May-2014	08-May-2014	09-May-2014
GRO by GC-FID (S)	12-May-2014	12-May-2014	10-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	11-May-2014	12-May-2014	12-May-2014
Metals in solid samples by OES	12-May-2014	12-May-2014	08-May-2014	08-May-2014	09-May-2014	12-May-2014	08-May-2014	08-May-2014	12-May-2014	09-May-2014
PAH by GCMS	12-May-2014	12-May-2014	09-May-2014	09-May-2014	12-May-2014	12-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014
pH	09-May-2014	13-May-2014	09-May-2014	09-May-2014	13-May-2014	09-May-2014	09-May-2014	09-May-2014	13-May-2014	09-May-2014
Sample description	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014
Total Organic Carbon		09-May-2014		08-May-2014		08-May-2014		08-May-2014		09-May-2014
TPH CWG GC (S)	12-May-2014	12-May-2014	10-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	11-May-2014	12-May-2014	12-May-2014

Lab Sample No(s)	9235493	9235755	9235783	9235498	9235503	9235507	9235512	9235517	9235522	9235529
Customer Sample Ref.	TPE 230	TPE 230	TPE 230	TPE 231	TPE 231	TPE 231	TPE 231	TPE 231	TPE 232	TPE 232
AGS Ref.										
Depth	2.50 - 2.50	3.50 - 0.00	0.10 - 0.10	0.30 - 0.30	1.20 - 1.20	2.50 - 2.50	3.50 - 3.50	4.50 - 4.50	0.10 - 0.10	1.20 - 1.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			12-May-2014	12-May-2014					12-May-2014	
Asbestos Quantification - Full				10-Jun-2014						
EPH CWG (Aliphatic) GC (S)	08-May-2014	09-May-2014	09-May-2014	08-May-2014	09-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014	08-May-2014
EPH CWG (Aromatic) GC (S)	08-May-2014	09-May-2014	09-May-2014	08-May-2014	09-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014	08-May-2014
GRO by GC-FID (S)	12-May-2014	12-May-2014	12-May-2014	12-May-2014	10-May-2014	12-May-2014	12-May-2014	10-May-2014	12-May-2014	11-May-2014
Metals in solid samples by OES	08-May-2014	08-May-2014	09-May-2014	09-May-2014	12-May-2014	12-May-2014	12-May-2014	09-May-2014	12-May-2014	09-May-2014
PAH by GCMS	09-May-2014	09-May-2014	12-May-2014	12-May-2014	12-May-2014	09-May-2014	09-May-2014	12-May-2014	12-May-2014	09-May-2014
pH	09-May-2014	09-May-2014	13-May-2014	12-May-2014	09-May-2014	12-May-2014	09-May-2014	09-May-2014	12-May-2014	09-May-2014
Sample description	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014
Total Organic Carbon			09-May-2014	09-May-2014		09-May-2014		08-May-2014	09-May-2014	
TPH CWG GC (S)	12-May-2014	12-May-2014	12-May-2014	12-May-2014	10-May-2014	12-May-2014	12-May-2014	10-May-2014	12-May-2014	11-May-2014

Lab Sample No(s)	9235541	9235547	9235759	9235732	9235743	9235747	9235709	9235718	9235722	9235701
Customer Sample Ref.	TPE 232	TPE 232	TPE 232	TPE 255	TPE 255	TPE 255	TPE 256	TPE 256	TPE 256	TPE 257
AGS Ref.										
Depth	1.60 - 1.60	2.60 - 2.60	4.00 - 0.00	0.20 - 0.00	1.20 - 0.00	2.00 - 0.00	0.10 - 0.00	0.90 - 0.00	1.50 - 0.00	0.20 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples				08-May-2014			12-May-2014	12-May-2014		12-May-2014
EPH CWG (Aliphatic) GC (S)	08-May-2014	12-May-2014	12-May-2014	12-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014
EPH CWG (Aromatic) GC (S)	08-May-2014	12-May-2014	12-May-2014	12-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014
GRO by GC-FID (S)	11-May-2014	12-May-2014	10-May-2014	13-May-2014	12-May-2014	12-May-2014	10-May-2014	11-May-2014	12-May-2014	09-May-2014
Metals in solid samples by OES	12-May-2014	13-May-2014	12-May-2014	09-May-2014	08-May-2014	09-May-2014	12-May-2014	13-May-2014	12-May-2014	12-May-2014
PAH by GCMS	09-May-2014	12-May-2014	09-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	10-May-2014	09-May-2014	12-May-2014
pH	09-May-2014	09-May-2014	09-May-2014	09-May-2014	08-May-2014	08-May-2014	12-May-2014	12-May-2014	08-May-2014	12-May-2014
Sample description	06-May-2014	06-May-2014	06-May-2014	06-May-2014	07-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014
Total Organic Carbon	08-May-2014		08-May-2014	09-May-2014		09-May-2014	09-May-2014		08-May-2014	09-May-2014
TPH CWG GC (S)	11-May-2014	12-May-2014	12-May-2014	13-May-2014	12-May-2014	12-May-2014	10-May-2014	11-May-2014	12-May-2014	09-May-2014

CERTIFICATE OF ANALYSIS

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

Lab Sample No(s)	9235705	9235666	9235679	9235622	9235628	9235632	9235637	9235641	9235645	9235649
Customer Sample Ref.	TPE 257	TPE 258	TPE 258	TPE 259	TPE 260	TPE 260	TPE 260	TPE 261	TPE 261	TPE 261
AGS Ref.										
Depth	1.20 - 0.00	0.20 - 0.00	1.50 - 0.00	0.30 - 0.00	0.20 - 0.00	1.50 - 0.00	2.50 - 0.00	0.20 - 0.00	1.50 - 0.00	2.50 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		12-May-2014		12-May-2014	12-May-2014			12-May-2014		
EPH CWG (Aliphatic) GC (S)	09-May-2014	08-May-2014	09-May-2014	08-May-2014	09-May-2014	09-May-2014	08-May-2014	09-May-2014	09-May-2014	09-May-2014
EPH CWG (Aromatic) GC (S)	09-May-2014	08-May-2014	09-May-2014	08-May-2014	09-May-2014	09-May-2014	08-May-2014	09-May-2014	09-May-2014	09-May-2014
GRO by GC-FID (S)	12-May-2014	09-May-2014	12-May-2014	11-May-2014	11-May-2014	09-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014
Metals in solid samples by OES	12-May-2014	09-May-2014	12-May-2014	12-May-2014	12-May-2014	09-May-2014	08-May-2014	12-May-2014	12-May-2014	14-May-2014
PAH by GCMS	09-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	09-May-2014	09-May-2014
pH	08-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	09-May-2014	09-May-2014	12-May-2014	09-May-2014	09-May-2014
Sample description	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014
Total Organic Carbon		09-May-2014		09-May-2014	09-May-2014		09-May-2014	09-May-2014	08-May-2014	
TPH CWG GC (S)	12-May-2014	09-May-2014	12-May-2014	11-May-2014	11-May-2014	09-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014

Lab Sample No(s)	9235653	9235662	9235684	9235689	9235693	9235697
Customer Sample Ref.	TPE 262	TPE 262	TPE 263	TPE 263	TPE 264	TPE 264
AGS Ref.						
Depth	0.30 - 0.00	1.80 - 0.00	0.20 - 0.00	1.20 - 0.00	0.30 - 0.00	1.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	12-May-2014		12-May-2014		12-May-2014	12-May-2014
Asbestos Quantification - Full					10-Jun-2014	
EPH CWG (Aliphatic) GC (S)	08-May-2014	09-May-2014	08-May-2014	09-May-2014	09-May-2014	08-May-2014
EPH CWG (Aromatic) GC (S)	08-May-2014	09-May-2014	08-May-2014	09-May-2014	09-May-2014	08-May-2014
GRO by GC-FID (S)	11-May-2014	12-May-2014	11-May-2014	12-May-2014	12-May-2014	09-May-2014
Metals in solid samples by OES	12-May-2014	09-May-2014	12-May-2014	12-May-2014	12-May-2014	12-May-2014
PAH by GCMS	12-May-2014	09-May-2014	13-May-2014	09-May-2014	12-May-2014	13-May-2014
pH	12-May-2014	09-May-2014	12-May-2014	08-May-2014	12-May-2014	12-May-2014
Sample description	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014	06-May-2014
Total Organic Carbon	09-May-2014		09-May-2014	08-May-2014	09-May-2014	
TPH CWG GC (S)	11-May-2014	12-May-2014	11-May-2014	12-May-2014	12-May-2014	09-May-2014

SDG:	140503-31	**Location:**	Coed Darcy	**Order Number:**	CD0662
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	273047
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	269969

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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Llandarcy
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Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	02 October 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140501-63
Your Reference:	TP East
Location:	Coed Darcy
Report No:	286293

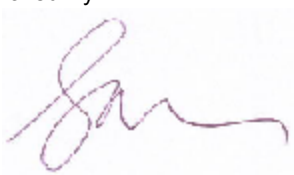
This report has been revised and directly supersedes 273591 in its entirety.

We received 88 samples on Thursday May 01, 2014 and 88 of these samples were scheduled for analysis which was completed on Monday June 16, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan
Operations Manager

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

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9223392	TPE178		0.10 - 0.00	28/04/2014
9223398	TPE178		1.00 - 0.00	28/04/2014
9223402	TPE178		1.80 - 0.00	28/04/2014
9223407	TPE178		3.10 - 0.00	28/04/2014
9223357	TPE179		0.10 - 0.00	28/04/2014
9223362	TPE179		1.00 - 0.00	28/04/2014
9223366	TPE179		2.10 - 0.00	28/04/2014
9223375	TPE179		3.00 - 0.00	28/04/2014
9223380	TPE179		4.00 - 0.00	28/04/2014
9223385	TPE179		4.90 - 0.00	28/04/2014
9223412	TPE190		0.20 - 0.00	28/04/2014
9223418	TPE190		1.10 - 0.00	28/04/2014
9223423	TPE190		1.90 - 0.00	28/04/2014
9223434	TPE190		3.00 - 0.00	28/04/2014
9223439	TPE190		3.90 - 0.00	28/04/2014
9223442	TPE190		4.90 - 0.00	28/04/2014
9223312	TPE196		0.10 - 0.00	28/04/2014
9223318	TPE196		0.80 - 0.00	28/04/2014
9223329	TPE196		2.00 - 0.00	28/04/2014
9223333	TPE196		3.00 - 0.00	28/04/2014
9223337	TPE196		4.10 - 0.00	28/04/2014
9223344	TPE196		4.90 - 0.00	28/04/2014
9223279	TPE197		0.30 - 0.00	28/04/2014
9223284	TPE197		1.10 - 0.00	28/04/2014
9223288	TPE197		2.00 - 0.00	28/04/2014
9223293	TPE197		3.00 - 0.00	28/04/2014
9223297	TPE197		4.00 - 0.00	28/04/2014
9223308	TPE197		4.90 - 0.00	28/04/2014
9223214	TPE198		0.20 - 0.00	28/04/2014
9223221	TPE198		1.00 - 0.00	28/04/2014
9223226	TPE198		2.10 - 0.00	28/04/2014
9223232	TPE198		3.10 - 0.00	28/04/2014
9223237	TPE198		4.00 - 0.00	28/04/2014
9223244	TPE198		4.90 - 0.00	28/04/2014
9223248	TPE205		0.20 - 0.00	28/04/2014
9223257	TPE205		1.00 - 0.00	28/04/2014
9223261	TPE205		2.30 - 0.00	28/04/2014
9223265	TPE205		3.10 - 0.00	28/04/2014
9223269	TPE205		3.90 - 0.00	28/04/2014
9223274	TPE205		4.20 - 0.00	28/04/2014
9223552	TPE207		0.10 - 0.00	28/04/2014
9223606	TPE207		1.00 - 0.00	28/04/2014
9223658	TPE207		2.00 - 0.00	28/04/2014
9223196	TPE207		3.20 - 0.00	28/04/2014
9223205	TPE207		4.10 - 0.00	28/04/2014
9223210	TPE207		4.80 - 0.00	28/04/2014
9223183	TPE213		0.10 - 0.00	28/04/2014
9223253	TPE213		0.90 - 0.00	28/04/2014
9223303	TPE213		1.30 - 0.00	28/04/2014
9223371	TPE213		2.00 - 0.00	28/04/2014
9223429	TPE213		3.00 - 0.00	28/04/2014
9223485	TPE213		4.00 - 0.00	28/04/2014
9223531	TPE215		0.20 - 0.00	28/04/2014
9223536	TPE215		1.00 - 0.00	28/04/2014
9223541	TPE215		2.10 - 0.00	28/04/2014
9223546	TPE215		3.00 - 0.00	28/04/2014

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

9223557	TPE215	3.80 - 0.00	28/04/2014
9223506	TPE216	0.30 - 0.00	28/04/2014
9223521	TPE216	1.10 - 0.00	28/04/2014
9223526	TPE216	2.00 - 0.00	28/04/2014
9223479	TPE217	0.20 - 0.00	28/04/2014
9223492	TPE217	0.80 - 0.00	28/04/2014
9223498	TPE217	2.00 - 0.00	28/04/2014
9223502	TPE217	3.00 - 0.00	28/04/2014
9223448	TPE218	0.20 - 0.00	28/04/2014
9223453	TPE218	0.80 - 0.00	28/04/2014
9223458	TPE218	1.80 - 0.00	28/04/2014
9223463	TPE218	3.00 - 0.00	28/04/2014
9223467	TPE218	3.90 - 0.00	28/04/2014
9223473	TPE218	4.80 - 0.00	28/04/2014
9223562	TPE223	0.10 - 0.00	28/04/2014
9223567	TPE223	0.80 - 0.00	28/04/2014
9223574	TPE223	2.00 - 0.00	28/04/2014
9223578	TPE223	3.20 - 0.00	28/04/2014
9223583	TPE223	4.00 - 0.00	28/04/2014
9223587	TPE223	4.80 - 0.00	28/04/2014
9223592	TPE224	0.20 - 0.00	28/04/2014
9223597	TPE224	0.80 - 0.00	28/04/2014
9223602	TPE224	2.00 - 0.00	28/04/2014
9223611	TPE224	3.00 - 0.00	28/04/2014
9223615	TPE224	3.90 - 0.00	28/04/2014
9223619	TPE224	4.90 - 0.00	28/04/2014
9223623	TPE228	0.20 - 0.00	28/04/2014
9223627	TPE228	0.90 - 0.00	28/04/2014
9223635	TPE228	1.80 - 0.00	28/04/2014
9223646	TPE228	3.10 - 0.00	28/04/2014
9223650	TPE228	4.00 - 0.00	28/04/2014
9223654	TPE228	4.90 - 0.00	28/04/2014

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

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

SOLID

Results Legend

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

Test		NDPs	Tests
Asbestos ID in Solid Samples	All	NDPs: 0	Tests: 28
Asbestos Quantification - Full	All	NDPs: 0	Tests: 2
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0	Tests: 88
EPH CWG (Aromatic) GC (S)	All	NDPs: 0	Tests: 88
GRO by GC-FID (S)	All	NDPs: 0	Tests: 88
Metals in solid samples by OES	All	NDPs: 0	Tests: 88
PAH by GCMS	All	NDPs: 0	Tests: 88
pH	All	NDPs: 0	Tests: 88
Sample description	All	NDPs: 0	Tests: 88
Total Organic Carbon	All	NDPs: 0	Tests: 18
TPH CWG GC (S)	All	NDPs: 0	Tests: 88

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Asbestos ID in Solid Samples	Asbestos Quantification - Full	EPH CWG (Aliphatic) GC (S)	EPH CWG (Aromatic) GC (S)	GRO by GC-FID (S)	Metals in solid samples by OES	PAH by GCMS	pH	Sample description	Total Organic Carbon	TPH CWG GC (S)
9223392	TPE178		0.10 - 0.00	250g Amber Jar			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9223398	TPE178		1.00 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9223402	TPE178		1.80 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9223407	TPE178		3.10 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9223357	TPE179		0.10 - 0.00	250g Amber Jar			X	X		X	X		X	X	X
				400g Tub (ALE214)	X	X						X			
				60g VOC (ALE215)					X						
9223362	TPE179		1.00 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9223366	TPE179		2.10 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9223375	TPE179		3.00 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9223380	TPE179		4.00 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9223385	TPE179		4.90 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9223412	TPE190		0.20 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9223418	TPE190		1.10 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9223423	TPE190		1.90 - 0.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9223434	TPE190		3.00 - 0.00	250g Amber Jar			X	X		X	X		X		X

SDG: 140501-63
Job: H_ATKINS_LDC-208
Client Reference: TP East

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

Order Number: CD0659
Report Number: 286293
Superseded Report: 273591

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			9223434		9223439		9223442			9223312		9223318		9223329		9223333			9223337			9223344			9223279			9223284			9223288			9223293			9223297			9223308		
Customer Sample Reference			TPE190		TPE190		TPE190			TPE196		TPE196		TPE196		TPE196			TPE196			TPE196			TPE197			TPE197			TPE197			TPE197			TPE197			TPE197		
AGS Reference																																										
Depth (m)			3.00 - 0.00		3.90 - 0.00		4.90 - 0.00			0.10 - 0.00		0.80 - 0.00		2.00 - 0.00		3.00 - 0.00			4.10 - 0.00			4.90 - 0.00			0.30 - 0.00			1.10 - 0.00			2.00 - 0.00			3.00 - 0.00			4.00 - 0.00			4.90 - 0.00		
Container			400g Tub (ALE214)	60g VOC (ALE215)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	250g Amber Jar	60g VOC (ALE215)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 28									X															X																
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 88			X		X			X		X		X		X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 88			X		X			X		X		X		X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 88		X		X			X	X			X		X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 88			X		X			X		X		X		X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 88			X		X			X		X		X		X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 88	X		X			X			X	X		X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 88			X		X			X		X		X		X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 18								X												X						X									X					
TPH CWG GC (S)	All	NDPs: 0 Tests: 88			X		X			X		X		X		X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			9223214			9223221			9223226			9223232			9223237			9223244			9223248			9223257			9223261			9223265			9223269			9223274			9223552			9223606
Customer Sample Reference			TPE198			TPE198			TPE198			TPE198			TPE198			TPE198			TPE205			TPE205			TPE205			TPE205			TPE205			TPE205			TPE207			TPE207
AGS Reference																																											
Depth (m)			0.20 - 0.00			1.00 - 0.00			2.10 - 0.00			3.10 - 0.00			4.00 - 0.00			4.90 - 0.00			0.20 - 0.00			1.00 - 0.00			2.30 - 0.00			3.10 - 0.00			3.90 - 0.00			4.20 - 0.00			0.10 - 0.00			1.00 - 0.00
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 28		X			X																X			X																X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 88	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 88	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 88			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 88	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 88	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 88		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 88	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 18				X																								X									X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 88	X			X			X			X			X			X			X			X			X			X			X			X			X			X

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9223606		9223658			9223196			9223205			9223210			9223183			9223253			9223303			9223371			9223429			9223485			9223531			9223536			9223541	
Customer Sample Reference			TPE207		TPE207			TPE207			TPE207			TPE207			TPE213			TPE213			TPE213			TPE213			TPE213			TPE213			TPE215			TPE215			TPE215	
AGS Reference																																										
Depth (m)			1.00 - 0.00		2.00 - 0.00			3.20 - 0.00			4.10 - 0.00			4.80 - 0.00			0.10 - 0.00			0.90 - 0.00			1.30 - 0.00			2.00 - 0.00			3.00 - 0.00			4.00 - 0.00			0.20 - 0.00			1.00 - 0.00			2.10 - 0.00	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 28	X															X			X															X			X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 88			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 88			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 88		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 88			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 88			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 88	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 88			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 18															X									X																
TPH CWG GC (S)	All	NDPs: 0 Tests: 88			X			X			X			X			X			X			X			X			X			X			X			X			X	

SDG: 140501-63
Job: H_ATKINS_LDC-208
Client Reference: TP East
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0659
Report Number: 286293
Superseded Report: 273591

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9223541	9223546			9223557			9223506			9223521			9223526			9223479			9223492			9223498			9223502			9223448			9223453			9223458			9223463		
Customer Sample Reference			TPE215	TPE215			TPE215			TPE216			TPE216			TPE216			TPE217			TPE217			TPE217			TPE217			TPE218			TPE218			TPE218			TPE218		
AGS Reference																																										
Depth (m)			2.10 - 0.00	3.00 - 0.00			3.80 - 0.00			0.30 - 0.00			1.10 - 0.00			2.00 - 0.00			0.20 - 0.00			0.80 - 0.00			2.00 - 0.00			3.00 - 0.00			0.20 - 0.00			0.80 - 0.00			1.80 - 0.00			3.00 - 0.00		
Container			60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 28									X										X			X										X			X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 88		X			X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 88		X			X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 88	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 88		X			X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 88		X			X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 88			X			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 88		X			X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 18											X																	X			X										
TPH CWG GC (S)	All	NDPs: 0 Tests: 88		X			X			X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	9223467	9223473	9223562	9223567	9223574	9223578	9223583	9223587	9223592	9223597	9223602	9223611	9223615	9223619
Customer Sample Reference	TPE218	TPE218	TPE223	TPE223	TPE223	TPE223	TPE223	TPE223	TPE224	TPE224	TPE224	TPE224	TPE224	TPE224
AGS Reference														
Depth (m)	3.90 - 0.00	4.80 - 0.00	0.10 - 0.00	0.80 - 0.00	2.00 - 0.00	3.20 - 0.00	4.00 - 0.00	4.80 - 0.00	0.20 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00	3.90 - 0.00	4.90 - 0.00
Container	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)

Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 28			X	X				X		X			
Asbestos Quantification - Full	All	NDPs: 0 Tests: 2								X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 88	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 88	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 88	X	X	X	X	X	X	X	X	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 88	X	X	X	X	X	X	X	X	X	X	X	X	X
PAH by GCMS	All	NDPs: 0 Tests: 88	X	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 88	X	X	X	X	X	X	X	X	X	X	X	X	
Sample description	All	NDPs: 0 Tests: 88	X	X	X	X	X	X	X	X	X	X	X	X	X
Total Organic Carbon	All	NDPs: 0 Tests: 18		X		X									X
TPH CWG GC (S)	All	NDPs: 0 Tests: 88	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			9223619	TPE224		4.90 - 0.00	400g Tub (ALE214)
							60g VOC (ALE215)
			9223623	TPE228		0.20 - 0.00	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9223627	TPE228		0.90 - 0.00	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9223635	TPE228		1.80 - 0.00	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9223646	TPE228		3.10 - 0.00	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9223650	TPE228		4.00 - 0.00	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9223654	TPE228		4.90 - 0.00	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 28					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 88					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 88					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 88					
Metals in solid samples by OES	All	NDPs: 0 Tests: 88					
PAH by GCMS	All	NDPs: 0 Tests: 88					
pH	All	NDPs: 0 Tests: 88					
Sample description	All	NDPs: 0 Tests: 88					
Total Organic Carbon	All	NDPs: 0 Tests: 18					
TPH CWG GC (S)	All	NDPs: 0 Tests: 88					

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

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
9223392	TPE178	0.10 - 0.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9223398	TPE178	1.00 - 0.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9223402	TPE178	1.80 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	None	None
9223407	TPE178	3.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223357	TPE179	0.10 - 0.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	N/A
9223362	TPE179	1.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9223366	TPE179	2.10 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223375	TPE179	3.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9223380	TPE179	4.00 - 0.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
9223385	TPE179	4.90 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9223412	TPE190	0.20 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223418	TPE190	1.10 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223423	TPE190	1.90 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9223434	TPE190	3.00 - 0.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	N/A
9223439	TPE190	3.90 - 0.00	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9223442	TPE190	4.90 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223312	TPE196	0.10 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9223318	TPE196	0.80 - 0.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
9223329	TPE196	2.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223333	TPE196	3.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223337	TPE196	4.10 - 0.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
9223344	TPE196	4.90 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223279	TPE197	0.30 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9223284	TPE197	1.10 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223288	TPE197	2.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	N/A	Stones
9223293	TPE197	3.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223297	TPE197	4.00 - 0.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
9223308	TPE197	4.90 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223214	TPE198	0.20 - 0.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9223221	TPE198	1.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9223226	TPE198	2.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223232	TPE198	3.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223237	TPE198	4.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223244	TPE198	4.90 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9223248	TPE205	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9223257	TPE205	1.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9223261	TPE205	2.30 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223265	TPE205	3.10 - 0.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

			Colour	Description	Grain size	Inclusions	Inclusions 2
9223269	TPE205	3.90 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223274	TPE205	4.20 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	N/A	Stones
9223196	TPE207	3.20 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation	Stones
9223205	TPE207	4.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223210	TPE207	4.80 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9223552	TPE207	0.10 - 0.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9223606	TPE207	1.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223658	TPE207	2.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223183	TPE213	0.10 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
9223253	TPE213	0.90 - 0.00	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	None	None
9223303	TPE213	1.30 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	N/A	N/A
9223371	TPE213	2.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223429	TPE213	3.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9223485	TPE213	4.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223531	TPE215	0.20 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223536	TPE215	1.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223541	TPE215	2.10 - 0.00	Light Brown	Silt Loam	0.063 - 0.1 mm	Stones	None
9223546	TPE215	3.00 - 0.00	Light Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9223557	TPE215	3.80 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223506	TPE216	0.30 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223521	TPE216	1.10 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9223526	TPE216	2.00 - 0.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9223479	TPE217	0.20 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223492	TPE217	0.80 - 0.00	Dark Brown	Stone/Soil	2 - 10 mm	Stones	N/A
9223498	TPE217	2.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9223502	TPE217	3.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223448	TPE218	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9223453	TPE218	0.80 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223458	TPE218	1.80 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Tar	Stones
9223463	TPE218	3.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
9223467	TPE218	3.90 - 0.00	Grey	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
9223473	TPE218	4.80 - 0.00	Grey	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9223562	TPE223	0.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223567	TPE223	0.80 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223574	TPE223	2.00 - 0.00	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A
9223578	TPE223	3.20 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9223583	TPE223	4.00 - 0.00	Dark Brown	Silty Sand	0.063 - 0.1 mm	N/A	N/A
9223587	TPE223	4.80 - 0.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
9223592	TPE224	0.20 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9223597	TPE224	0.80 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9223602	TPE224	2.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

			Colour	Description	Grain size	Inclusions	Inclusions 2
9223611	TPE224	3.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223615	TPE224	3.90 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223619	TPE224	4.90 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223623	TPE228	0.20 - 0.00	Black	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
9223627	TPE228	0.90 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9223635	TPE228	1.80 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223646	TPE228	3.10 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223650	TPE228	4.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223654	TPE228	4.90 - 0.00	Dark 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:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE178	TPE178	TPE178	TPE178	TPE179	TPE179
			Depth (m)	0.10 - 0.00	1.00 - 0.00	1.80 - 0.00	3.10 - 0.00	0.10 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223392	9223398	9223402	9223407	9223357	9223362
			AGS Reference						
Moisture Content Ratio	%	PM024		16	15	51	16	18	22
Soil Organic Matter (SOM)	<0.35 %	TM132		4.64 #				7.45 #	
pH	1 pH Units	TM133		5.5 M	6.68 M	6.11 M	6.82 M	7.02 M	6.7 M
Arsenic	<0.6 mg/kg	TM181		40.4 M	22 M	23.4 M	4.1 M	73.3 M	29.6 M
Cadmium	<0.02 mg/kg	TM181		1.1 M	0.551 M	1.88 M	0.228 M	1.45 M	0.985 M
Chromium	<0.9 mg/kg	TM181		14.1 M	11.9 M	10.6 M	13.8 M	29.1 M	19.7 M
Copper	<1.4 mg/kg	TM181		68.7 M	48.2 M	55.4 M	17.4 M	123 M	73.3 M
Lead	<0.7 mg/kg	TM181		192 M	29 M	22.8 M	12.9 M	403 M	31.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		21.4 M	17.5 M	7.51 M	19.9 M	31.8 M	18.3 M
Selenium	<1 mg/kg	TM181		1.14 #	1.21 #	2.06 #	<1 #	1.59 #	2.23 #
Vanadium	<0.2 mg/kg	TM181		18.1 #	15.2 #	14 #	13 #	26.3 #	28 #
Zinc	<1.9 mg/kg	TM181		165 M	93.8 M	93.4 M	53.8 M	397 M	105 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE179	TPE179	TPE179	TPE179	TPE190	TPE190
			Depth (m)	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.10 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223366	9223375	9223380	9223385	9223412	9223418
			AGS Reference						
Moisture Content Ratio	%	PM024		13	9.5	9.9	10	7.8	23
pH	1 pH Units	TM133		6.04 M	7.2 M	6.97 M	7.09 M	6.94 M	7.22 M
Arsenic	<0.6 mg/kg	TM181		12.5 M	13.1 M	8.78 M	9.55 M	20.8 M	26.8 M
Cadmium	<0.02 mg/kg	TM181		0.356 M	0.355 M	0.128 M	0.195 M	0.961 M	0.494 M
Chromium	<0.9 mg/kg	TM181		14.9 M	14.5 M	12.5 M	12.7 M	17.7 M	18.8 M
Copper	<1.4 mg/kg	TM181		18.8 M	24.5 M	17.1 M	18.1 M	44.7 M	75.9 M
Lead	<0.7 mg/kg	TM181		14.4 M	25.5 M	13.6 M	15 M	63.2 M	40.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		19.1 M	24.4 M	24.2 M	27.5 M	34.9 M	16 M
Selenium	<1 mg/kg	TM181		<1 #	1.37 #	1.03 #	<1 #	1.55 #	2.19 #
Vanadium	<0.2 mg/kg	TM181		17 #	16.6 #	14.4 #	14.4 #	19.3 #	27.3 #
Zinc	<1.9 mg/kg	TM181		90.2 M	101 M	78.5 M	82.2 M	190 M	96.5 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE190	TPE190	TPE190	TPE190	TPE196	TPE196
			Depth (m)	1.90 - 0.00	3.00 - 0.00	3.90 - 0.00	4.90 - 0.00	0.10 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223423	9223434	9223439	9223442	9223312	9223318
			AGS Reference						
Moisture Content Ratio	%	PM024		9.9	12	9.8	12	16	11
Soil Organic Matter (SOM)	<0.35 %	TM132						4.31 #	
pH	1 pH Units	TM133		7.38 M	6.53 M	6.57 M	6.51 M	7.47 M	7.68 M
Arsenic	<0.6 mg/kg	TM181		12 M	13.5 M	10.1 M	8.2 M	44.3 M	11.1 M
Cadmium	<0.02 mg/kg	TM181		0.294 M	0.255 M	0.205 M	0.139 M	1.14 M	0.226 M
Chromium	<0.9 mg/kg	TM181		13 M	13 M	14.6 M	10.7 M	16.9 M	14.5 M
Copper	<1.4 mg/kg	TM181		20.7 M	21.2 M	19.1 M	18.2 M	103 M	18.2 M
Lead	<0.7 mg/kg	TM181		16.7 M	18.6 M	14.9 M	13.5 M	121 M	20.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.8 M	24.1 M	33.1 M	27.2 M	24.2 M	23.2 M
Selenium	<1 mg/kg	TM181		<1 #	1.24 #	1.07 #	<1 #	1.39 #	1.48 #
Vanadium	<0.2 mg/kg	TM181		15.2 #	15.4 #	16.3 #	13 #	24 #	17.4 #
Zinc	<1.9 mg/kg	TM181		77.5 M	73.3 M	87.5 M	67.2 M	218 M	74.2 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE196	TPE196	TPE196	TPE196	TPE197	TPE197
			Depth (m)	2.00 - 0.00	3.00 - 0.00	4.10 - 0.00	4.90 - 0.00	0.30 - 0.00	1.10 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223329	9223333	9223337	9223344	9223279	9223284
			AGS Reference						
Moisture Content Ratio	%	PM024		11	8.5	9.9	9.5	13	11
Soil Organic Matter (SOM)	<0.35 %	TM132					1.59 #		1.76 #
pH	1 pH Units	TM133		7.02 M	7.14 M	7.8 M	7.27 M	6.14 M	6.02 M
Arsenic	<0.6 mg/kg	TM181		11.5 M	12.1 M	12 M	13.2 M	31.8 M	24 M
Cadmium	<0.02 mg/kg	TM181		0.026 M	0.275 M	0.213 M	0.306 M	1.3 M	0.582 M
Chromium	<0.9 mg/kg	TM181		15.1 M	14 M	13.6 M	13.9 M	16.7 M	14.5 M
Copper	<1.4 mg/kg	TM181		19 M	19.9 M	18.8 M	20.9 M	77.3 M	19.6 M
Lead	<0.7 mg/kg	TM181		17.8 M	21 M	21.2 M	24.6 M	57.3 M	21.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.3 M	25.1 M	25.5 M	28.3 M	19.7 M	25.1 M
Selenium	<1 mg/kg	TM181		<1 #	1.44 #	1.16 #	1.74 #	1.84 #	1.31 #
Vanadium	<0.2 mg/kg	TM181		19.4 #	15.9 #	16.3 #	17.5 #	25.7 #	18.8 #
Zinc	<1.9 mg/kg	TM181		68.3 M	77.2 M	77.7 M	84.6 M	156 M	145 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE197	TPE197	TPE197	TPE197	TPE198	TPE198
			Depth (m)	2.00 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223288	9223293	9223297	9223308	9223214	9223221
			AGS Reference						
Moisture Content Ratio	%	PM024		8.1	9.7	11	11	14	11
Soil Organic Matter (SOM)	<0.35 %	TM132				2 #			1.57 #
pH	1 pH Units	TM133		6.8 M	6.53 M	5.83 M	6.25 M	6.6 M	6.59 M
Arsenic	<0.6 mg/kg	TM181		10.6 M	9.88 M	8.55 M	23.4 M	62.3 M	26.2 M
Cadmium	<0.02 mg/kg	TM181		0.152 M	0.222 M	0.154 M	0.0938 M	0.996 M	0.568 M
Chromium	<0.9 mg/kg	TM181		13.1 M	13.6 M	11.8 M	13.2 M	19.3 M	17.3 M
Copper	<1.4 mg/kg	TM181		15.3 M	17.6 M	15.3 M	15.7 M	121 M	77.5 M
Lead	<0.7 mg/kg	TM181		14.1 M	15.6 M	15.9 M	15.3 M	114 M	36.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.3 M	24.8 M	27.6 M	29.4 M	23.6 M	28.1 M
Selenium	<1 mg/kg	TM181		1.03 #	<1 #	<1 #	<1 #	1.72 #	1.73 #
Vanadium	<0.2 mg/kg	TM181		16.2 #	16.3 #	13.5 #	14.7 #	30.2 #	22.4 #
Zinc	<1.9 mg/kg	TM181		65.1 M	82.2 M	69.5 M	73.3 M	221 M	141 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE198	TPE198	TPE198	TPE198	TPE205	TPE205
			Depth (m)	2.10 - 0.00	3.10 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223226	9223232	9223237	9223244	9223248	9223257
			AGS Reference						
Moisture Content Ratio	%	PM024		8	11	10	10	18	14
pH	1 pH Units	TM133		6.67 M	5.98 M	6.3 M	6.07 M	7.54 M	6.15 M
Arsenic	<0.6 mg/kg	TM181		16.4 M	9.88 M	18.2 M	13.6 M	136 M	10.7 M
Cadmium	<0.02 mg/kg	TM181		0.0358 M	0.239 M	0.358 M	0.339 M	0.741 M	0.874 M
Chromium	<0.9 mg/kg	TM181		14.6 M	12.9 M	16.2 M	15.3 M	19.1 M	18.4 M
Copper	<1.4 mg/kg	TM181		13.7 M	15.7 M	39.5 M	28.9 M	206 M	16.9 M
Lead	<0.7 mg/kg	TM181		17.9 M	15.9 M	34.7 M	23.4 M	127 M	17.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		28.5 M	26.1 M	34 M	31.6 M	15.9 M	23.7 M
Selenium	<1 mg/kg	TM181		1.93 #	1.44 #	1.63 #	1.7 #	1.65 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20 #	15.9 #	18.6 #	17.5 #	27.4 #	23.1 #
Zinc	<1.9 mg/kg	TM181		95.2 M	77.1 M	114 M	90 M	130 M	132 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE205	TPE205	TPE205	TPE205	TPE207	TPE207
			Depth (m)	2.30 - 0.00	3.10 - 0.00	3.90 - 0.00	4.20 - 0.00	0.10 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223261	9223265	9223269	9223274	9223552	9223606
			AGS Reference						
Moisture Content Ratio	%	PM024		10	9.1	8.7	12	7.9	8.7
Soil Organic Matter (SOM)	<0.35 %	TM132			1.62 #			3.26 #	
pH	1 pH Units	TM133		6.32 M	5.74 M	6.68 M	6.51 M	7.34 M	7.1 M
Arsenic	<0.6 mg/kg	TM181		10.2 M	8.94 M	5.65 M	6.31 M	63.6 M	13.4 M
Cadmium	<0.02 mg/kg	TM181		0.186 M	0.193 M	0.211 M	0.178 M	0.981 M	0.428 M
Chromium	<0.9 mg/kg	TM181		13.1 M	17.7 M	16.6 M	12.1 M	15.5 M	11.4 M
Copper	<1.4 mg/kg	TM181		16.4 M	30.4 M	31.1 M	24.6 M	139 M	15.7 M
Lead	<0.7 mg/kg	TM181		15.9 M	20.1 M	19.5 M	16.8 M	86.8 M	15.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.9 M	39.2 M	39.2 M	35.4 M	22.7 M	21.1 M
Selenium	<1 mg/kg	TM181		1.16 #	<1 #	1.18 #	<1 #	1.48 #	1.1 #
Vanadium	<0.2 mg/kg	TM181		15.8 #	19 #	18.5 #	13.8 #	19.8 #	15.2 #
Zinc	<1.9 mg/kg	TM181		72.8 M	98.6 M	101 M	77 M	160 M	84.5 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE207	TPE207	TPE207	TPE207	TPE213	TPE213
			Depth (m)	2.00 - 0.00	3.20 - 0.00	4.10 - 0.00	4.80 - 0.00	0.10 - 0.00	0.90 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223658	9223196	9223205	9223210	9223183	9223253
			AGS Reference						
Moisture Content Ratio	%	PM024		9.4	4.5	9.4	8.6	8.4	17
Soil Organic Matter (SOM)	<0.35 %	TM132						1.71 #	
pH	1 pH Units	TM133		7.18 M	7.03 M	6.59 M	6.25 M	6.4 M	5.52 M
Arsenic	<0.6 mg/kg	TM181		8.93 M	7.71 M	8.3 M	11.1 M	20.3 M	8.74 M
Cadmium	<0.02 mg/kg	TM181		0.13 M	0.307 M	0.251 M	0.241 M	0.603 M	0.113 M
Chromium	<0.9 mg/kg	TM181		12.9 M	11.5 M	13.1 M	14.4 M	17.1 M	15.6 M
Copper	<1.4 mg/kg	TM181		15.1 M	9.09 M	14 M	26.2 M	48.4 M	23.5 M
Lead	<0.7 mg/kg	TM181		14.2 M	16.8 M	13.2 M	18.9 M	45.3 M	16.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.8 M	24.1 M	29.4 M	35.3 M	33.4 M	16.2 M
Selenium	<1 mg/kg	TM181		<1 #	1.25 #	<1 #	1.29 #	1.14 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.6 #	24.7 #	13.7 #	15.9 #	19.7 #	17.4 #
Zinc	<1.9 mg/kg	TM181		66.6 M	79 M	73.7 M	90 M	135 M	48.8 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE213	TPE213	TPE213	TPE213	TPE215	TPE215
			Depth (m)	1.30 - 0.00	2.00 - 0.00	3.00 - 0.00	4.00 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223303	9223371	9223429	9223485	9223531	9223536
			AGS Reference						
Moisture Content Ratio	%	PM024		18	11	8	6.6	11	18
Soil Organic Matter (SOM)	<0.35 %	TM132			7.52 #				
pH	1 pH Units	TM133		4.89 M	4.88 M	5.33 M	5.49 M	7.68 M	5.42 M
Arsenic	<0.6 mg/kg	TM181		15 M	10.9 M	9.54 M	13.3 M	18.8 M	17 M
Cadmium	<0.02 mg/kg	TM181		0.737 M	0.259 M	0.106 M	0.301 M	0.567 M	0.194 M
Chromium	<0.9 mg/kg	TM181		12.2 M	13.7 M	16.6 M	15.8 M	15.6 M	13.9 M
Copper	<1.4 mg/kg	TM181		38.9 M	31.9 M	35.6 M	34.6 M	35.5 M	83.9 M
Lead	<0.7 mg/kg	TM181		21 M	20.7 M	21.1 M	20.2 M	54.5 M	17.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		18.8 M	29.3 M	44.9 M	39.5 M	26.9 M	11 M
Selenium	<1 mg/kg	TM181		<1 #	1.42 #	1.1 #	1.35 #	1.03 #	1.73 #
Vanadium	<0.2 mg/kg	TM181		19.1 #	16.7 #	18.4 #	17.2 #	18.4 #	21.7 #
Zinc	<1.9 mg/kg	TM181		73.8 M	95.2 M	107 M	109 M	169 M	64.2 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE215	TPE215	TPE215	TPE216	TPE216	TPE216
			Depth (m)	2.10 - 0.00	3.00 - 0.00	3.80 - 0.00	0.30 - 0.00	1.10 - 0.00	2.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223541	9223546	9223557	9223506	9223521	9223526
			AGS Reference						
Moisture Content Ratio	%	PM024		13	13	11	12	11	5.9
Soil Organic Matter (SOM)	<0.35 %	TM132						1.18 #	
pH	1 pH Units	TM133		5.09 M	5.37 M	5.99 M	7.03 M	6.23 M	5.55 M
Arsenic	<0.6 mg/kg	TM181		8.21 M	12.5 M	9.15 M	23.4 M	11.9 M	4.37 M
Cadmium	<0.02 mg/kg	TM181		0.208 M	0.342 M	0.273 M	0.566 M	0.076 M	0.315 M
Chromium	<0.9 mg/kg	TM181		16.3 M	15.2 M	11.3 M	15.1 M	12.1 M	13.4 M
Copper	<1.4 mg/kg	TM181		15.4 M	19 M	12.7 M	85.5 M	28.8 M	40.9 M
Lead	<0.7 mg/kg	TM181		15.5 M	19.9 M	13.4 M	25.5 M	20.3 M	22.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.1 M	22.5 M	25.1 M	16.5 M	24.7 M	50 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.3 #	2.52 #	<1 #	1 #
Vanadium	<0.2 mg/kg	TM181		20.4 #	18.5 #	14.9 #	22 #	14.3 #	14.1 #
Zinc	<1.9 mg/kg	TM181		63.9 M	77.8 M	68.7 M	117 M	73.7 M	131 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE217	TPE217	TPE217	TPE217	TPE218	TPE218
			Depth (m)	0.20 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00	0.20 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223479	9223492	9223498	9223502	9223448	9223453
			AGS Reference						
Moisture Content Ratio	%	PM024		8.1	1.4	9	6.9	6.9	5.2
Soil Organic Matter (SOM)	<0.35 %	TM132					1.41 #	2.02 #	
pH	1 pH Units	TM133		6.08 M	5.39 #	5.69 M	6.31 M	5.55 M	5.46 M
Arsenic	<0.6 mg/kg	TM181		14.9 M	10.9 #	11.7 M	9.64 M	14.5 M	8.44 M
Cadmium	<0.02 mg/kg	TM181		0.667 M	0.212 #	0.204 M	0.162 M	0.379 M	0.216 M
Chromium	<0.9 mg/kg	TM181		18.7 M	15.2 #	16.4 M	16.1 M	12.3 M	9.51 M
Copper	<1.4 mg/kg	TM181		72.3 M	32.3 #	35.9 M	30.9 M	35.7 M	21 M
Lead	<0.7 mg/kg	TM181		38.5 M	21.7 #	22.9 M	17.4 M	21.7 M	19.7 M
Mercury	<0.14 mg/kg	TM181		0.256 M	<0.14 #	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		55.4 M	35.5 #	38.6 M	47.6 M	22.7 M	25.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.05 #	1.04 #	1.23 #	1.14 #
Vanadium	<0.2 mg/kg	TM181		22.3 #	16.3 #	18.4 #	17.3 #	14.3 #	11.8 #
Zinc	<1.9 mg/kg	TM181		225 M	95.4 #	103 M	108 M	85.4 M	71.8 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE218	TPE218	TPE218	TPE218	TPE223	TPE223
			Depth (m)	1.80 - 0.00	3.00 - 0.00	3.90 - 0.00	4.80 - 0.00	0.10 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223458	9223463	9223467	9223473	9223562	9223567
			AGS Reference						
Moisture Content Ratio	%	PM024		11	11	8.7	9.7	13	16
Soil Organic Matter (SOM)	<0.35 %	TM132					2.76 #		2 #
pH	1 pH Units	TM133		6.37 M	6.04 M	5.12 M	6.03 M	7.74 M	6.54 M
Arsenic	<0.6 mg/kg	TM181		11.1 M	9.81 M	7.04 M	7.87 M	36.2 M	14.2 M
Cadmium	<0.02 mg/kg	TM181		0.276 M	0.222 M	0.234 M	0.0451 M	0.574 M	0.314 M
Chromium	<0.9 mg/kg	TM181		12.8 M	13 M	12.3 M	13.2 M	17.3 M	18.1 M
Copper	<1.4 mg/kg	TM181		23.9 M	16.1 M	28.7 M	15.3 M	51 M	65.4 M
Lead	<0.7 mg/kg	TM181		17.2 M	14.4 M	21.3 M	14.8 M	193 M	24.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		36.9 M	30.9 M	43.9 M	33 M	27.6 M	27.2 M
Selenium	<1 mg/kg	TM181		1.23 #	1.01 #	<1 #	<1 #	1.29 #	1.63 #
Vanadium	<0.2 mg/kg	TM181		14.7 #	14.5 #	14.2 #	15 #	19.7 #	23.3 #
Zinc	<1.9 mg/kg	TM181		92.5 M	79.5 M	89 M	70.4 M	165 M	96.9 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE223	TPE223	TPE223	TPE223	TPE224	TPE224
			Depth (m)	2.00 - 0.00	3.20 - 0.00	4.00 - 0.00	4.80 - 0.00	0.20 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223574	9223578	9223583	9223587	9223592	9223597
			AGS Reference						
Moisture Content Ratio	%	PM024		12	11	13	9.8	12	18
pH	1 pH Units	TM133		6.15 M	5.69 M	5.63 M	5.84 M	5.89 M	4.77 M
Arsenic	<0.6 mg/kg	TM181		9.04 M	10.7 M	10.7 M	9.38 M	31.6 M	18 M
Cadmium	<0.02 mg/kg	TM181		0.216 M	0.241 M	0.53 M	0.159 M	0.549 M	0.0934 M
Chromium	<0.9 mg/kg	TM181		15.1 M	15.2 M	14.9 M	14.1 M	19.9 M	15.2 M
Copper	<1.4 mg/kg	TM181		20.1 M	19.2 M	18.5 M	15 M	46.7 M	81.3 M
Lead	<0.7 mg/kg	TM181		21.3 M	18.4 M	19.6 M	20.9 M	103 M	24.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.206 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.8 M	25.7 M	25.2 M	27.8 M	30.3 M	13.4 M
Selenium	<1 mg/kg	TM181		<1	1.35 #	1.06	1.04 #	1.15 #	1.87 #
Vanadium	<0.2 mg/kg	TM181		17.1	18.2 #	18.2	16.8 #	24.2 #	22.5 #
Zinc	<1.9 mg/kg	TM181		76.3 M	86.1 M	76.4 M	76.9 M	180 M	54 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE224	TPE224	TPE224	TPE224	TPE228	TPE228
			Depth (m)	2.00 - 0.00	3.00 - 0.00	3.90 - 0.00	4.90 - 0.00	0.20 - 0.00	0.90 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223602	9223611	9223615	9223619	9223623	9223627
			AGS Reference						
Moisture Content Ratio	%	PM024		11	13	12	12	12	16
Soil Organic Matter (SOM)	<0.35 %	TM132					1.67 #		
pH	1 pH Units	TM133		5.39 M	5.57 M	6.16 M	5.98 M	5.92 M	5.49 M
Arsenic	<0.6 mg/kg	TM181		13.6 M	11.2 M	13.7 M	14.4 M	31.8 M	9.72 M
Cadmium	<0.02 mg/kg	TM181		0.256 M	0.242 M	0.569 M	0.212 M	0.865 M	0.144 M
Chromium	<0.9 mg/kg	TM181		15.6 M	14.3 M	13.4 M	14.3 M	15.1 M	16.5 M
Copper	<1.4 mg/kg	TM181		18.3 M	18.5 M	18.5 M	24.7 M	45.6 M	33.1 M
Lead	<0.7 mg/kg	TM181		23.4 M	17.7 M	25.6 M	142 M	54.9 M	18.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		28.1 M	26.9 M	28.5 M	29.2 M	30.4 M	24.2 M
Selenium	<1 mg/kg	TM181		1.08 #	1 #	<1 #	<1 #	1.18 #	1.98 #
Vanadium	<0.2 mg/kg	TM181		21.5 #	18.1 #	17.1 #	18.3 #	18.4 #	20.8 #
Zinc	<1.9 mg/kg	TM181		74.5 M	81.3 M	82.2 M	78.4 M	128 M	92.7 M

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE228	TPE228	TPE228	TPE228		
			Depth (m)	1.80 - 0.00	3.10 - 0.00	4.00 - 0.00	4.90 - 0.00		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014		
			Sample Time	.	.	.	.		
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014		
			SDG Ref	140501-63	140501-63	140501-63	140501-63		
			Lab Sample No.(s)	9223635	9223646	9223650	9223654		
			AGS Reference						
Moisture Content Ratio	%	PM024		10	10	11	12		
Soil Organic Matter (SOM)	<0.35 %	TM132				2.24 #			
pH	1 pH Units	TM133		5.25 M	6.05 M	6.15 M	5.89 M		
Arsenic	<0.6 mg/kg	TM181		14.2 M	29.9 M	13.5 M	11.2 M		
Cadmium	<0.02 mg/kg	TM181		0.112 M	0.544 M	0.179 M	0.162 M		
Chromium	<0.9 mg/kg	TM181		14 M	34.4 M	14.1 M	14.7 M		
Copper	<1.4 mg/kg	TM181		17.3 M	16.3 M	14.9 M	14.8 M		
Lead	<0.7 mg/kg	TM181		15.4 M	17.8 M	20.3 M	15.7 M		
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M		
Nickel	<0.2 mg/kg	TM181		24.8 M	42.4 M	29.2 M	31.1 M		
Selenium	<1 mg/kg	TM181		<1 #	1.32 #	1.18 #	<1 #		
Vanadium	<0.2 mg/kg	TM181		17.7 #	67.2 #	18.4 #	18.3 #		
Zinc	<1.9 mg/kg	TM181		72.4 M	108 M	82.4 M	82.3 M		

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE178	TPE178	TPE178	TPE178	TPE179	TPE179
			Depth (m)	0.10 - 0.00	1.00 - 0.00	1.80 - 0.00	3.10 - 0.00	0.10 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223392	9223398	9223402	9223407	9223357	9223362
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.2	94.1	109	93.3	90.4	97.9
Acenaphthene-d10 % recovery**	%	TM218		93.2	99.1	106	94.5	87.8	93.2
Phenanthrene-d10 % recovery**	%	TM218		90.9	97.5	102	93.2	84.6	88.4
Chrysene-d12 % recovery**	%	TM218		90	96.3	96.4	89.7	84.3	81
Perylene-d12 % recovery**	%	TM218		92.3	102	106	97.7	87.2	86.6
Naphthalene	<9 µg/kg	TM218		20.6 M	111 M	<9 M	<9 M	81.3 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	28.8 M	<12 M	<12 M	43.3 M	<12 M
Acenaphthene	<8 µg/kg	TM218		19 M	50 M	<8 M	<8 M	158 M	<8 M
Fluorene	<10 µg/kg	TM218		15.9 M	38.1 M	<10 M	<10 M	121 M	<10 M
Phenanthrene	<15 µg/kg	TM218		213 M	202 M	<15 M	35.2 M	1210 M	49.2 M
Anthracene	<16 µg/kg	TM218		26.5 M	102 M	<16 M	<16 M	189 M	<16 M
Fluoranthene	<17 µg/kg	TM218		415 M	325 M	<17 M	39.4 M	2810 M	49.3 M
Pyrene	<15 µg/kg	TM218		305 M	361 M	<15 M	36.7 M	2010 M	36.7 M
Benz(a)anthracene	<14 µg/kg	TM218		246 M	143 M	<14 M	17.1 M	1680 M	25.8 M
Chrysene	<10 µg/kg	TM218		295 M	165 M	<10 M	20.4 M	1850 M	28.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		414 M	325 M	<15 M	37.9 M	2620 M	49.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		158 M	89.8 M	<14 M	<14 M	1080 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		267 M	156 M	<15 M	20.1 M	1980 M	39.9 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		174 M	88.2 M	<18 M	<18 M	1210 M	23.7 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		64 M	27.9 M	<23 M	<23 M	428 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		208 M	98.4 M	<24 M	<24 M	1380 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2840	2310	<118	207	18800	302

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE179	TPE179	TPE179	TPE179	TPE190	TPE190
			Depth (m)	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.10 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223366	9223375	9223380	9223385	9223412	9223418
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		88.1	94.4	95.7	94.9	95.1	89.1
Acenaphthene-d10 % recovery**	%	TM218		85.7	91.5	93.1	92.1	94.2	86.9
Phenanthrene-d10 % recovery**	%	TM218		84.2	90.2	91.9	90.3	92.2	86.1
Chrysene-d12 % recovery**	%	TM218		77.5	83.5	85.1	83.3	94.9	75
Perylene-d12 % recovery**	%	TM218		80.2	83.2	83.7	84.4	103	77.2
Naphthalene	<9 µg/kg	TM218		15.1 M	<9 M	<9 M	<9 M	17.6 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	26 M	<12 M
Acenaphthene	<8 µg/kg	TM218		102 M	<8 M	<8 M	<8 M	34.4 M	<8 M
Fluorene	<10 µg/kg	TM218		20.2 M	<10 M	<10 M	<10 M	31.6 M	<10 M
Phenanthrene	<15 µg/kg	TM218		40.5 M	91.5 M	63.3 M	44.9 M	329 M	29.6 M
Anthracene	<16 µg/kg	TM218		36.7 M	<16 M	<16 M	<16 M	91.3 M	<16 M
Fluoranthene	<17 µg/kg	TM218		270 M	77.4 M	<17 M	<17 M	805 M	22.4 M
Pyrene	<15 µg/kg	TM218		656 M	64.3 M	<15 M	<15 M	675 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		108 M	51.4 M	<14 M	18.1 M	658 M	<14 M
Chrysene	<10 µg/kg	TM218		75.7 M	73.8 M	<10 M	22.9 M	604 M	23.4 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		38.3 M	143 M	56.8 M	65.5 M	958 M	44.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	28.9 M	<14 M	<14 M	274 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	45.8 M	<15 M	<15 M	723 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	27.1 M	<18 M	<18 M	448 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	164 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	32.9 M	<24 M	<24 M	516 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1360	636	120	151	6360	120

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE190	TPE190	TPE190	TPE190	TPE196	TPE196
			Depth (m)	1.90 - 0.00	3.00 - 0.00	3.90 - 0.00	4.90 - 0.00	0.10 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223423	9223434	9223439	9223442	9223312	9223318
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	97.5	96.8	95.6	103	97.7
Acenaphthene-d10 % recovery**	%	TM218		105	98.1	98	95.7	102	95.7
Phenanthrene-d10 % recovery**	%	TM218		105	95.9	95.3	89.3	99.5	94
Chrysene-d12 % recovery**	%	TM218		96.2	86	88.3	79.7	102	87.2
Perylene-d12 % recovery**	%	TM218		97	94.1	89.3	82.3	106	88.6
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	11.5 M	<9 M	58.7 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		18.4 M	<12 M	<12 M	<12 M	88.1 M	<12 M
Acenaphthene	<8 µg/kg	TM218		10.1 M	<8 M	24.8 M	22.8 M	127 M	<8 M
Fluorene	<10 µg/kg	TM218		11.6 M	<10 M	<10 M	<10 M	118 M	<10 M
Phenanthrene	<15 µg/kg	TM218		66.4 M	148 M	176 M	105 M	2080 M	44.7 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	325 M	<16 M
Fluoranthene	<17 µg/kg	TM218		25.6 M	46.6 M	<17 M	<17 M	3820 M	<17 M
Pyrene	<15 µg/kg	TM218		21.4 M	32.5 M	<15 M	<15 M	3070 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		31.1 M	29.6 M	18.7 M	<14 M	2860 M	17.7 M
Chrysene	<10 µg/kg	TM218		37.5 M	94.6 M	93.4 M	57.3 M	3060 M	27.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		47.5 M	124 M	82.4 M	79.2 M	4000 M	48.7 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	16.2 M	<14 M	<14 M	1550 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	29.8 M	<15 M	<15 M	2820 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	22.6 M	<18 M	<18 M	1680 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	677 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	1860 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		270	543	407	264	28200	139

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE196	TPE196	TPE196	TPE196	TPE197	TPE197
			Depth (m)	2.00 - 0.00	3.00 - 0.00	4.10 - 0.00	4.90 - 0.00	0.30 - 0.00	1.10 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223329	9223333	9223337	9223344	9223279	9223284
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93	93.6	95.5	91.5	98.8	96.6
Acenaphthene-d10 % recovery**	%	TM218		90.7	91	92.4	87.7	102	96.4
Phenanthrene-d10 % recovery**	%	TM218		89.4	89.7	91.6	86.6	98.6	96
Chrysene-d12 % recovery**	%	TM218		82.2	84.4	86.3	81	93.2	84.9
Perylene-d12 % recovery**	%	TM218		78	87.1	88.1	78.7	97.5	80.5
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	<9 M	30.1 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	78.2 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	19.3 M	<8 M	46 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	13.8 M	<10 M	46.3 M	<10 M
Phenanthrene	<15 µg/kg	TM218		62.9 M	73.4 M	165 M	82.7 M	539 M	65.8 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	26.9 M	<16 M	123 M	<16 M
Fluoranthene	<17 µg/kg	TM218		34.2 M	109 M	334 M	148 M	1420 M	42 M
Pyrene	<15 µg/kg	TM218		24.6 M	76.6 M	259 M	117 M	1080 M	34.9 M
Benz(a)anthracene	<14 µg/kg	TM218		15.9 M	83.7 M	219 M	69.3 M	863 M	19.6 M
Chrysene	<10 µg/kg	TM218		35.3 M	83.7 M	249 M	127 M	1050 M	50.1 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		38.2 M	154 M	490 M	109 M	1850 M	61.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	43.3 M	141 M	56.2 M	627 M	21.5 M
Benzo(a)pyrene	<15 µg/kg	TM218		17.5 M	63.4 M	244 M	81.3 M	971 M	23.8 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	36.3 M	144 M	48.5 M	688 M	20.3 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	56.3 M	<23 M	256 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	44 M	173 M	68.5 M	802 M	27.7 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		229	768	2540	908	10500	367

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE197	TPE197	TPE197	TPE197	TPE198	TPE198
			Depth (m)	2.00 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223288	9223293	9223297	9223308	9223214	9223221
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.7	95.7	96.5	98	102	106
Acenaphthene-d10 % recovery**	%	TM218		94.9	96.5	96	98.3	99.7	109
Phenanthrene-d10 % recovery**	%	TM218		93.6	97.1	95.3	97.9	97.3	106
Chrysene-d12 % recovery**	%	TM218		86.3	87.9	83.8	87.8	99.5	98.6
Perylene-d12 % recovery**	%	TM218		84.8	85.6	77.9	85.5	103	99.9
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	<9 M	57.6 M	17.4 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	163 M	64.8 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	40.7 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	41.7 M	<10 M
Phenanthrene	<15 µg/kg	TM218		43.8 M	116 M	129 M	26.2 M	409 M	136 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	143 M	43.6 M
Fluoranthene	<17 µg/kg	TM218		27.6 M	114 M	<17 M	<17 M	1500 M	262 M
Pyrene	<15 µg/kg	TM218		22.9 M	87.8 M	<15 M	<15 M	1300 M	245 M
Benz(a)anthracene	<14 µg/kg	TM218		23 M	72.1 M	<14 M	<14 M	1120 M	187 M
Chrysene	<10 µg/kg	TM218		39.1 M	117 M	47.4 M	<10 M	1150 M	218 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		80.5 M	142 M	31.2 M	<15 M	2110 M	469 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		17.1 M	51.1 M	<14 M	<14 M	815 M	150 M
Benzo(a)pyrene	<15 µg/kg	TM218		23.6 M	66.3 M	<15 M	<15 M	1490 M	232 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	54.3 M	<18 M	<18 M	1230 M	208 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	417 M	74 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	76.3 M	<24 M	<24 M	1390 M	245 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		278	897	208	<118	13400	2550

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE198	TPE198	TPE198	TPE198	TPE205	TPE205
			Depth (m)	2.10 - 0.00	3.10 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223226	9223232	9223237	9223244	9223248	9223257
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.2	98.1	94.3	97.4	92.5	94
Acenaphthene-d10 % recovery**	%	TM218		91	100	92.1	99.8	91	92.1
Phenanthrene-d10 % recovery**	%	TM218		91.3	98.6	92.9	98.4	89.2	89.9
Chrysene-d12 % recovery**	%	TM218		84.2	95.3	92.1	96.1	90.5	86.9
Perylene-d12 % recovery**	%	TM218		83.4	105	99.4	108	96.4	88.7
Naphthalene	<9 µg/kg	TM218		<9 M	17 M	21.3 M	20.1 M	29.9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	49.7 M	19.1 M	55.8 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	10.8 M	<8 M	24.5 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	14.2 M	25.8 M	<10 M
Phenanthrene	<15 µg/kg	TM218		44.7 M	103 M	150 M	145 M	260 M	23.6 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	39.2 M	27 M	66.8 M	<16 M
Fluoranthene	<17 µg/kg	TM218		47.9 M	<17 M	384 M	135 M	766 M	<17 M
Pyrene	<15 µg/kg	TM218		38.1 M	<15 M	316 M	127 M	582 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		33.5 M	24.4 M	308 M	111 M	573 M	<14 M
Chrysene	<10 µg/kg	TM218		52.6 M	59.2 M	295 M	166 M	581 M	14.8 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		105 M	61.9 M	835 M	268 M	886 M	24.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		25.4 M	<14 M	226 M	85.6 M	365 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		37.7 M	<15 M	425 M	172 M	696 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		35.3 M	<18 M	351 M	119 M	511 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	119 M	46.7 M	195 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		43.4 M	<24 M	387 M	130 M	575 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		464	265	3920	1590	6190	<118

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE205	TPE205	TPE205	TPE205	TPE207	TPE207
			Depth (m)	2.30 - 0.00	3.10 - 0.00	3.90 - 0.00	4.20 - 0.00	0.10 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223261	9223265	9223269	9223274	9223552	9223606
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.2	96.6	91.7	94.7	90.8	95.5
Acenaphthene-d10 % recovery**	%	TM218		98.1	96.7	87.8	92.1	88.2	93.8
Phenanthrene-d10 % recovery**	%	TM218		97.4	95.9	86	90.5	85.8	91.5
Chrysene-d12 % recovery**	%	TM218		85.7	84.2	78.2	82	83.1	90.5
Perylene-d12 % recovery**	%	TM218		79.8	79.7	76	77.2	84.5	94.4
Naphthalene	<9 µg/kg	TM218		<9 M	11.9 M	<9 M	126 M	25.4 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	29.8 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	27.1 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	24.1 M	<10 M
Phenanthrene	<15 µg/kg	TM218		179 M	173 M	<15 M	899 M	282 M	47.2 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	59.5 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	201 M	765 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	113 M	568 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		15.7 M	24.7 M	<14 M	79.5 M	496 M	<14 M
Chrysene	<10 µg/kg	TM218		79.6 M	77.3 M	<10 M	542 M	679 M	26.6 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		58.6 M	56.1 M	<15 M	638 M	948 M	30.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	71.1 M	376 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	75.6 M	633 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	66.8 M	548 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	53.6 M	175 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	75 M	693 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		333	343	<118	2940	6330	<118

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE207	TPE207	TPE207	TPE207	TPE213	TPE213
			Depth (m)	2.00 - 0.00	3.20 - 0.00	4.10 - 0.00	4.80 - 0.00	0.10 - 0.00	0.90 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223658	9223196	9223205	9223210	9223183	9223253
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.9	93.8	96.4	96.7	94.6	111
Acenaphthene-d10 % recovery**	%	TM218		95.4	92.7	98	96.3	92.5	112
Phenanthrene-d10 % recovery**	%	TM218		94.7	92	95.5	96	90.8	109
Chrysene-d12 % recovery**	%	TM218		82.5	96.5	88.8	85.2	90	105
Perylene-d12 % recovery**	%	TM218		73.2	99.1	92.4	80.3	93.1	103
Naphthalene	<9 µg/kg	TM218		<9 M	21 M	11.4 M	<9 M	24.7 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	34.7 M	<12 M	<12 M	22.3 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	149 M	25.8 M	<8 M	11.6 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	337 M	<10 M	<10 M	13 M	<10 M
Phenanthrene	<15 µg/kg	TM218		229 M	941 M	110 M	86.8 M	166 M	213 M
Anthracene	<16 µg/kg	TM218		<16 M	1670 M	<16 M	<16 M	32.3 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	3590 M	<17 M	<17 M	408 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	1800 M	<15 M	<15 M	311 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	720 M	17.8 M	<14 M	257 M	19.5 M
Chrysene	<10 µg/kg	TM218		97.1 M	752 M	45.1 M	30.5 M	366 M	82 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		57.8 M	329 M	32.5 M	30.8 M	533 M	76.7 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	122 M	<14 M	<14 M	221 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	131 M	<15 M	<15 M	407 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	49 M	<18 M	<18 M	344 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	25.3 M	<23 M	<23 M	111 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	55.3 M	<24 M	<24 M	423 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		384	10700	242	148	3650	391

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE213	TPE213	TPE213	TPE213	TPE215	TPE215
			Depth (m)	1.30 - 0.00	2.00 - 0.00	3.00 - 0.00	4.00 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223303	9223371	9223429	9223485	9223531	9223536
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95	94.9	97.4	92.6	103	119
Acenaphthene-d10 % recovery**	%	TM218		92.4	92.2	97.6	90.2	102	119
Phenanthrene-d10 % recovery**	%	TM218		90.5	90.1	97.4	90.2	98.4	115
Chrysene-d12 % recovery**	%	TM218		82.8	84.1	87.6	78.6	95.9	110
Perylene-d12 % recovery**	%	TM218		78.2	84.5	84.9	79.3	99.5	112
Naphthalene	<9 µg/kg	TM218		17.6 M	10.1 M	<9 M	<9 M	89.2 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	184 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	305 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	164 M	<10 M
Phenanthrene	<15 µg/kg	TM218		480 M	250 M	47.8 M	106 M	3230 M	59.8 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	1200 M	<16 M
Fluoranthene	<17 µg/kg	TM218		42.9 M	<17 M	<17 M	<17 M	11400 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	8820 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	16.3 M	<14 M	<14 M	5140 M	25.7 M
Chrysene	<10 µg/kg	TM218		352 M	115 M	22.3 M	<10 M	4450 M	31.4 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		386 M	104 M	19.8 M	47.7 M	4570 M	31.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	2010 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	4370 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	1920 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	561 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	2060 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1280	495	<118	153	50500	148

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE215	TPE215	TPE215	TPE216	TPE216	TPE216
			Depth (m)	2.10 - 0.00	3.00 - 0.00	3.80 - 0.00	0.30 - 0.00	1.10 - 0.00	2.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223541	9223546	9223557	9223506	9223521	9223526
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.4	98	96.4	96.9	89.8	93
Acenaphthene-d10 % recovery**	%	TM218		98.1	94.1	98	96.2	88.5	89.1
Phenanthrene-d10 % recovery**	%	TM218		95.6	89.4	97	94.5	87.8	87.9
Chrysene-d12 % recovery**	%	TM218		90	79.9	89.2	94.4	80.7	80.5
Perylene-d12 % recovery**	%	TM218		92.1	85	109	99.1	77.6	75.6
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	12.1 M	<9 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		27.3 M	<8 M	35.5 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	12.4 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		78.4 M	81.6 M	81 M	64.6 M	102 M	<15 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	28 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	38.3 M	<17 M	120 M	164 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	31.1 M	27 M	90.8 M	126 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		21.5 M	30.1 M	25.8 M	78.7 M	74.7 M	<14 M
Chrysene	<10 µg/kg	TM218		44.3 M	51.6 M	50.3 M	90 M	112 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		63.3 M	74.4 M	61.3 M	124 M	134 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	41.4 M	51.9 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	20.4 M	<15 M	93 M	64.9 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	58.5 M	36.5 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	69 M	44.6 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		235	327	333	831	909	<118

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE217	TPE217	TPE217	TPE217	TPE218	TPE218
			Depth (m)	0.20 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00	0.20 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223479	9223492	9223498	9223502	9223448	9223453
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	99.3	99.9	98.4	98.1	102
Acenaphthene-d10 % recovery**	%	TM218		101	100	101	98.3	101	101
Phenanthrene-d10 % recovery**	%	TM218		99.5	98.8	96.9	96	99.8	100
Chrysene-d12 % recovery**	%	TM218		106	97.6	91.6	92.7	93.6	97.2
Perylene-d12 % recovery**	%	TM218		115	103	99.9	101	95.4	96.6
Naphthalene	<9 µg/kg	TM218		54.6 M	57 #	74.3 M	24.3 M	<9 M	2310 M
Acenaphthylene	<12 µg/kg	TM218		78.4 M	<12 #	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<16 M	<8 #	<8 M	<8 M	<8 M	65.1 M
Fluorene	<10 µg/kg	TM218		<20 M	18.9 #	50 M	<10 M	<10 M	247 M
Phenanthrene	<15 µg/kg	TM218		240 M	48.4 #	120 M	<15 M	29 M	569 M
Anthracene	<16 µg/kg	TM218		341 M	<16 #	40.6 M	<16 M	<16 M	54.2 M
Fluoranthene	<17 µg/kg	TM218		145 M	<17 #	<17 M	<17 M	27.9 M	32.1 M
Pyrene	<15 µg/kg	TM218		753 M	<15 #	65.5 M	<15 M	29.1 M	35.7 M
Benz(a)anthracene	<14 µg/kg	TM218		112 M	18.7 #	22.5 M	<14 M	20.6 M	17.1 M
Chrysene	<10 µg/kg	TM218		236 M	19.7 #	43.8 M	<10 M	22.8 M	135 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		208 M	22 #	39.1 M	27 M	33.2 M	129 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		39.2 M	<14 #	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		102 M	<15 #	<15 M	<15 M	20.8 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		74.6 M	<18 #	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<46 M	<23 #	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		116 M	<24 #	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2500	185	455	<118	183	3600

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE218	TPE218	TPE218	TPE218	TPE223	TPE223
			Depth (m)	1.80 - 0.00	3.00 - 0.00	3.90 - 0.00	4.80 - 0.00	0.10 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223458	9223463	9223467	9223473	9223562	9223567
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	96.7	94.2	93.8	104	108
Acenaphthene-d10 % recovery**	%	TM218		104	98.8	94.9	96.4	106	109
Phenanthrene-d10 % recovery**	%	TM218		105	96.6	90.5	94.6	105	108
Chrysene-d12 % recovery**	%	TM218		95.8	89.8	83.2	89.8	106	106
Perylene-d12 % recovery**	%	TM218		96.1	89.9	82.2	95.8	115	110
Naphthalene	<9 µg/kg	TM218		836 M	265 M	42.1 M	62 M	81.7 M	16.1 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	255 M	16.8 M
Acenaphthene	<8 µg/kg	TM218		56.7 M	19 M	<8 M	<8 M	46.2 M	<8 M
Fluorene	<10 µg/kg	TM218		138 M	90.4 M	44.7 M	30 M	94.7 M	<10 M
Phenanthrene	<15 µg/kg	TM218		332 M	323 M	105 M	146 M	1580 M	159 M
Anthracene	<16 µg/kg	TM218		24.2 M	<16 M	<16 M	<16 M	316 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	29 M	<17 M	23 M	2600 M	151 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	32.8 M	1930 M	107 M
Benz(a)anthracene	<14 µg/kg	TM218		18.7 M	22.2 M	18.2 M	18.6 M	1430 M	104 M
Chrysene	<10 µg/kg	TM218		98 M	102 M	25.9 M	58.3 M	1370 M	130 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		55 M	76 M	19.5 M	54.9 M	1760 M	169 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	825 M	48 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	1540 M	82.4 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	842 M	51.5 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	271 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	931 M	59.2 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1560	927	255	425	15900	1090

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE223	TPE223	TPE223	TPE223	TPE224	TPE224
			Depth (m)	2.00 - 0.00	3.20 - 0.00	4.00 - 0.00	4.80 - 0.00	0.20 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223574	9223578	9223583	9223587	9223592	9223597
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		91.6	90.3	90.9	105	106	126
Acenaphthene-d10 % recovery**	%	TM218		89.5	88.7	87.6	102	110	131
Phenanthrene-d10 % recovery**	%	TM218		89.3	86.7	87.4	101	108	128
Chrysene-d12 % recovery**	%	TM218		78.5	80.1	77.6	93.5	105	124
Perylene-d12 % recovery**	%	TM218		81.6	79.7	80.1	90.9	106	126
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	<9 M	45.2 M	29.6 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	84.5 M	21 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	159 M	10.8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	128 M	14 M
Phenanthrene	<15 µg/kg	TM218		<15 M	32.6 M	22.8 M	51.5 M	1030 M	188 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	243 M	47.1 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	<17 M	1780 M	270 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	1350 M	202 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	1040 M	151 M
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	1190 M	162 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		26.7 M	39.8 M	25.9 M	<15 M	1840 M	156 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	537 M	63.2 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	1030 M	90.8 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	613 M	43.5 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	228 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	690 M	52.5 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	<118	<118	12000	1500

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE224	TPE224	TPE224	TPE224	TPE228	TPE228
			Depth (m)	2.00 - 0.00	3.00 - 0.00	3.90 - 0.00	4.90 - 0.00	0.20 - 0.00	0.90 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223602	9223611	9223615	9223619	9223623	9223627
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	99.1	94.6	95.8	98.9	108
Acenaphthene-d10 % recovery**	%	TM218		104	97.9	93.3	92.3	101	112
Phenanthrene-d10 % recovery**	%	TM218		103	97.9	92.8	91.3	99.1	110
Chrysene-d12 % recovery**	%	TM218		97.6	94.5	87.5	85.3	101	105
Perylene-d12 % recovery**	%	TM218		96.6	99.4	89.7	87.6	94.9	107
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	<9 M	1050 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	6990 M	57.9 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	26.4 M	1220 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	7460 M	32.9 M
Phenanthrene	<15 µg/kg	TM218		28.4 M	33.6 M	102 M	31.5 M	53700 M	400 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	13900 M	106 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	66.2 M	<17 M	52300 M	485 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	53.1 M	<15 M	36200 M	336 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	28.1 M	24.3 M	22200 M	216 M
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	47.6 M	17 M	16900 M	219 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	33.7 M	<15 M	21700 M	231 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	8750 M	82.2 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	18.9 M	<15 M	16200 M	145 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	6840 M	70.1 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	2550 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	6670 M	81 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	349	<118	275000	2460

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE228	TPE228	TPE228	TPE228		
			Depth (m)	1.80 - 0.00	3.10 - 0.00	4.00 - 0.00	4.90 - 0.00		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014		
			Sample Time	.	.	.	.		
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014		
			SDG Ref	140501-63	140501-63	140501-63	140501-63		
			Lab Sample No.(s)	9223635	9223646	9223650	9223654		
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92.5	89.5	94.7	94.1		
Acenaphthene-d10 % recovery**	%	TM218		89.5	90.1	93.6	93.7		
Phenanthrene-d10 % recovery**	%	TM218		88.4	90.5	93.9	93.2		
Chrysene-d12 % recovery**	%	TM218		80.8	86.9	87.5	87.5		
Perylene-d12 % recovery**	%	TM218		77.8	86.3	84	88.7		
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	<9 M		
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M		
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M		
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M		
Phenanthrene	<15 µg/kg	TM218		63.1 M	54.9 M	94.6 M	60 M		
Anthracene	<16 µg/kg	TM218		<16 M	55.5 M	23.6 M	33.9 M		
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	108 M	<17 M		
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	82.3 M	<15 M		
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	42.9 M	<14 M		
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	67.8 M	<10 M		
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	71.7 M	<15 M		
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	25.9 M	<14 M		
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	40.6 M	<15 M		
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	22.9 M	<18 M		
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M		
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	28.7 M	<24 M		
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	609	<118		

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE178	TPE178	TPE178	TPE178	TPE179	TPE179
#	ISO17025 accredited.							
M	mCERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.10 - 0.00	1.00 - 0.00	1.80 - 0.00	3.10 - 0.00	0.10 - 0.00	1.00 - 0.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
*	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	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223392	9223398	9223402	9223407	9223357	9223362
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	56	56	103	46	84	103
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44 M	<44 M	<880 M	<44 M	94.4 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<100 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<200 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<40 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<60 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<120 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M	<60 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	<200	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10	<200	<10	15.7	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10	<200	11.9	24.2	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	<200	<10	13.3	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	110	422	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	4850	1250	<100	<100	2010	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	18500	14600	30500	17100	13700	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	2110	3780	594	2800	5080	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	25500	19800	31500	19900	20800	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<200	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<200	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10	<200	<10	26.6	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	<200	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	139	494	<100	<100	1520	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	2950	1340	<100	<100	13300	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	29800	31600	64400	2730	77400	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	18900	11200	59500	1750	50800	3080
Aromatics >EC40-EC44	<100 µg/kg	TM173	6250	4070	5860	443	18800	1410
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	51800	44600	124000	4480	143000	3080
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	77300	64400	155000	24500	164000	3080

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE179	TPE179	TPE179	TPE179	TPE190	TPE190
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.10 - 0.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
*	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	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223366	9223375	9223380	9223385	9223412	9223418
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	120	78	61	79	64	113
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44 M	<44 M	<44 M	<44 M	48.8 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10	<10	<10	15.2	15.6
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10	<10	<10	11.9	15.6
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	12300	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	382	<100	68700	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	190	<100	114000	919
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	411	<100	13000	958
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	982	<100	208000	1880
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10	<10	<10	<10	11.7
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	2030	<100	<100	5830	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	1350	4660	<100	<100	51500	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	15000	<100	<100	108000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	10900	<100	<100	24600	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	5660	<100	<100	8600	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	1350	32500	<100	<100	190000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1350	32600	987	<100	398000	1920

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE190	TPE190	TPE190	TPE190	TPE196	TPE196
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	1.90 - 0.00	3.00 - 0.00	3.90 - 0.00	4.90 - 0.00	0.10 - 0.00	0.80 - 0.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
*	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	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223423	9223434	9223439	9223442	9223312	9223318
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	130	74	79	65	93 2	102
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	98.8 M	<44 M	225 M	<44 M	<880 2 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<100 2 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<200 2 M	<10 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<2 M	<2 M	<40 2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<60 2 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<6 M	<6 M	<120 2 M	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<60 2 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9 2	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24 2	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10	24.4	<10	<200 2	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	30	<10	113	<10	<200 2	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	21.1	<10	37.7	<10	<200 2	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	11.1	<10	<200 2	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	840	<100	<100	<100	570	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	7020	595	<100	<100	4110	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	10200	<100	<100	<100	20300	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	787	<100	<100	<100	11400	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	18900	595	<100	<100	36300	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<200 2	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	<10	<200 2	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	22.2	<10	30	<10	<200 2	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	<10	<10	<200 2	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	874	383	<100	<100	1380	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	5370	816	<100	<100	11800	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	6530	589	<100	<100	84000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	2680	<100	<100	144	63100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	1040	<100	<100	196	27800	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	15500	1790	<100	144	160000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	34400	2400	185	146	197000	<100

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE196	TPE196	TPE196	TPE196	TPE197	TPE197
			Depth (m)	2.00 - 0.00	3.00 - 0.00	4.10 - 0.00	4.90 - 0.00	0.30 - 0.00	1.10 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223329	9223333	9223337	9223344	9223279	9223284
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		117	103	90	96	80	116
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	1250	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	5540	153	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	19200	6500	<100	4300	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	12200	1230	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	38200	7880	<100	4300	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	2600	170	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	11300	1250	3320	1730	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	39900	14600	14300	14900	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	24300	8750	4910	7770	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	12500	3090	1730	3080	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	78100	24700	22600	24400	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	116000	32600	22600	28700	<100

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE197	TPE197	TPE197	TPE197	TPE198	TPE198
			Depth (m)	2.00 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223288	9223293	9223297	9223308	9223214	9223221
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		114	117	69	82	44	105
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<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		6.53 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	1760	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	6720	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	32900	2480
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	8470	505
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	<100	49800	2990
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	557
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	8830	1320
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	63900	13000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	31100	8120
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	11400	2980
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	104000	23000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	<100	<100	<100	154000	26000

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE198	TPE198	TPE198	TPE198	TPE205	TPE205
			Depth (m)	2.10 - 0.00	3.10 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223226	9223232	9223237	9223244	9223248	9223257
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		120	103	106	112	79	103
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	1720 M	4890 M	2570 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	13.4 M	<3 M	23.5 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	17.9 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	17.9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	31.3	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	21.3	42.2	39.2	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	188	1760	875	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	452	1290	625	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	436	563	357	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	1020	2630	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	2040	2900	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	12500	16000	11100	4360	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	2660	1830	1970	554	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	18300	23400	13100	4920	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	334	862	440	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	290	375	239	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		152	<100	767	1110	339	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	858	1420	4830	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		1480	<100	24700	7100	36700	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		2080	<100	9260	1890	20400	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		626	<100	1870	221	7310	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		3720	<100	35600	11500	62300	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3730	20000	63900	27200	67200	<100

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE205	TPE205	TPE205	TPE205	TPE207	TPE207
			Depth (m)	2.30 - 0.00	3.10 - 0.00	3.90 - 0.00	4.20 - 0.00	0.10 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223261	9223265	9223269	9223274	9223552	9223606
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		111	120	116	21	67	81
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	55.9 M	1370 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	18.2	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	20.8	1020	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	11	144	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	54.7	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	1390	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	11700	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	6500	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	<100	19600	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	12.1	13.2	95.8	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	36.5	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	640	845	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	263	4650	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	33600	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	20800	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	9120	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	903	59900	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	<100	<100	2270	79500	<100

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE207	TPE207	TPE207	TPE207	TPE213	TPE213
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	2.00 - 0.00	3.20 - 0.00	4.10 - 0.00	4.80 - 0.00	0.10 - 0.00	0.90 - 0.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
*	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	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223658	9223196	9223205	9223210	9223183	9223253
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	114	104	103	103	86	87
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	6.28 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M	3.14 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	9.42	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	3140	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	10900	<100	<100	2180	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	18200	<100	<100	7190	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	7040	<100	<100	382	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	39300	<100	<100	9750	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	10.5	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	4070	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	8940	<100	<100	2500	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	32300	<100	<100	18700	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	24900	<100	<100	9590	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	11300	<100	<100	3440	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	70200	<100	<100	30800	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	109000	<100	<100	40600	<100

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE213	TPE213	TPE213	TPE213	TPE215	TPE215
			Depth (m)	1.30 - 0.00	2.00 - 0.00	3.00 - 0.00	4.00 - 0.00	0.20 - 0.00	1.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223303	9223371	9223429	9223485	9223531	9223536
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		71	67	67	77	49	73
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<880 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<200 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<40 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<60 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		<200	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	5360	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	1090	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	<100	6450	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	4410	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	32400	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	809	13900	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	508	4650	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	809	50700	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	<100	<100	816	57200	<100

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE215	TPE215	TPE215	TPE216	TPE216	TPE216
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	2.10 - 0.00	3.00 - 0.00	3.80 - 0.00	0.30 - 0.00	1.10 - 0.00	2.00 - 0.00
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
		Sample Time	.	.	.	.	.	.
		Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223541	9223546	9223557	9223506	9223521	9223526
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	83	88	93	111	97	59
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44 M	<44 M	2560 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	13.4 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	134	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	13.8	456	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	987	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	73700	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	1450	88600	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	6380	152000	6670	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	2010	44900	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	9840	359000	6670	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	13.8	317	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	657	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	518	21700	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	1910	67300	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	26000	193000	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	21200	97600	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	8920	40200	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	49600	380000	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	59500	741000	6670	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE217	TPE217	TPE217	TPE217	TPE218	TPE218
			Depth (m)	0.20 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00	0.20 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223479	9223492	9223498	9223502	9223448	9223453
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		46	73	71	21	32	68
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		230 M	6030 #	39900 M	2780 M	64.4 M	20800 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 #	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 #	15.4 M	<10 M	<10 M	72.7 M
Toluene	<2 µg/kg	TM089		<2 M	<2 #	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	36.5 #	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	13.2 #	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 #	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	13.2	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	49.7	<24	<24	<24	72.7
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	14.2	273	87	<10	500
Aliphatics >C6-C8	<10 µg/kg	TM089		34.8	267	1700	307	10.7	2370
Aliphatics >C8-C10	<10 µg/kg	TM089		23.9	1110	9980	545	<10	4070
Aliphatics >C10-C12	<10 µg/kg	TM089		88.1	2300	12800	882	17.2	6620
Aliphatics >C12-C16	<100 µg/kg	TM173		294000	18600	102000	16600	<100	93800
Aliphatics >C16-C21	<100 µg/kg	TM173		1410000	24300	87400	20500	3350	48800
Aliphatics >C21-C35	<100 µg/kg	TM173		2240000	32800	105000	32500	10300	37300
Aliphatics >C35-C44	<100 µg/kg	TM173		282000	3960	9930	3420	1590	5020
Total Aliphatics >C12-C44	<100 µg/kg	TM173		4220000	79700	305000	73000	15300	185000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	15.4	<10	<10	72.7
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		17.4	791	6650	363	11.8	2710
Aromatics >EC10-EC12	<10 µg/kg	TM089		58.8	1540	8500	587	11.8	4420
Aromatics >EC12-EC16	<100 µg/kg	TM173		170000	5640	21900	3200	<100	49100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1260000	16300	51600	10400	<100	27600
Aromatics >EC21-EC35	<100 µg/kg	TM173		2340000	31100	86700	21500	<100	26100
Aromatics >EC35-EC44	<100 µg/kg	TM173		406000	6210	15800	2270	<100	4100
Aromatics >EC40-EC44	<100 µg/kg	TM173		154000	2010	5170	466	<100	845
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		4170000	59300	176000	37400	<100	107000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		8390000	145000	521000	113000	15300	312000

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE218	TPE218	TPE218	TPE218	TPE223	TPE223
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	1.80 - 0.00	3.00 - 0.00	3.90 - 0.00	4.80 - 0.00	0.10 - 0.00	0.80 - 0.00
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
		Sample Time	.	.	.	.	.	.
		Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223458	9223463	9223467	9223473	9223562	9223567
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	119	135	31	78	81	108
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	205000 M	659000 M	<880 M	12500 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<25 M	<50 M	<100 M	<100 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	662 M	316 M	<200 M	<200 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	<10 M	<20 M	<40 M	<40 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<15 M	<30 M	<60 M	<60 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<30 M	<60 M	<120 M	<120 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089	<15 M	<30 M	<60 M	<60 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<90	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	662	316	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	11800	13600	<200	231	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	67300	179000	345	846	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	44000	167000	<200	1300	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	30900	112000	<200	5560	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	75100	108000	<100	15900	199	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	27000	26500	<100	29000	14900	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	12600	9950	<100	28700	26500	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	1890	1550	<100	1620	4590	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	117000	146000	<100	75200	46200	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	662	316	<200	<200	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<50	<100	<200	<200	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	29300	111000	<200	864	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	20600	75000	<200	3710	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	30500	32000	1520	9120	1990	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	15400	12200	1210	23900	22800	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	15700	11600	650	26500	75100	2210
Aromatics >EC35-EC44	<100 µg/kg	TM173	2420	1540	558	2370	26500	5010
Aromatics >EC40-EC44	<100 µg/kg	TM173	508	227	<100	448	8070	1690
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	64000	57400	3950	62000	126000	7210
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	385000	862000	4800	150000	173000	7220

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE223	TPE223	TPE223	TPE223	TPE224	TPE224
			Depth (m)	2.00 - 0.00	3.20 - 0.00	4.00 - 0.00	4.80 - 0.00	0.20 - 0.00	0.80 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223574	9223578	9223583	9223587	9223592	9223597
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		114	128	114	78	41	80
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	63.3 M	393 M	2840 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	5.55 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	3.42 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	33.9	263	2190	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	11.3	47.9	301	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	22.8	85.5	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	2450	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	15900	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	31000	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	6080	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	<100	55400	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	37.6	200	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	14.8	57.7	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	10200	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	45700	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	15000	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	5980	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	70800	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	<100	340	2840	126000	<100

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE224	TPE224	TPE224	TPE224	TPE228	TPE228
			Depth (m)	2.00 - 0.00	3.00 - 0.00	3.90 - 0.00	4.90 - 0.00	0.20 - 0.00	0.90 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014	28/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-63	140501-63	140501-63	140501-63	140501-63	140501-63
			Lab Sample No.(s)	9223602	9223611	9223615	9223619	9223623	9223627
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		95	109	77	93	27	103
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	<44 M	<44 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	13.7	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		2700	<100	<100	<100	4250	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		15500	<100	<100	<100	19600	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		1240	<100	<100	<100	31600	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	3830	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		19400	<100	<100	<100	59300	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	23300	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		2860	<100	<100	1200	137000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		1440	<100	<100	2260	259000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		1090	<100	<100	5460	61300	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		302	<100	<100	2570	20300	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		5390	<100	<100	8920	481000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		24800	<100	<100	8920	541000	<100

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE228	TPE228	TPE228	TPE228		
			Depth (m)	1.80 - 0.00	3.10 - 0.00	4.00 - 0.00	4.90 - 0.00		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	28/04/2014	28/04/2014	28/04/2014	28/04/2014		
			Sample Time	.	.	.	.		
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014		
			SDG Ref	140501-63	140501-63	140501-63	140501-63		
			Lab Sample No.(s)	9223635	9223646	9223650	9223654		
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88	81	121	98		
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	8770 M	4440 M	4500 M		
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M		
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M		
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M		
Ethylbenzene	<3 µg/kg	TM089		<3 M	14.6 M	<3 M	<3 M		
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M		
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M		
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9		
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24		
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10		
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	24.6	28	22.6		
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	1070	605	603		
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	4170	2040	2080		
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	199000	54700	98400		
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	195000	53200	97600		
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	37800	4570	16400		
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	452	<100	277		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	433000	112000	213000		
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	727	403	402		
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	2780	1360	1390		
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	35000	19300	19800		
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	81100	38500	44100		
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	19700	20300	8990		
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	1950	2510	1150		
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	626	293	266		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	138000	80600	74100		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	579000	197000	291000		

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

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	TPE178 0.10 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223392 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE178 1.00 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223398 TM048	07/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE179 0.10 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223357 TM048	08/05/14	Tomasz Pawlikowski	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE179 1.00 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223362 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE190 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223412 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

		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	TPE196 0.10 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223312 TM048	07/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE197 0.30 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223279 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE198 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223214 TM048	08/05/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE198 1.00 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223221 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE205 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223248 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE205 1.00 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223257 TM048	07/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

		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	TPE207 0.10 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223552 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE207 1.00 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223606 TM048	07/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE213 0.10 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223183 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE213 0.90 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223253 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE215 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223531 TM048	08/05/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE215 1.00 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223536 TM048	07/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

		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	TPE216 0.30 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223506 TM048	07/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE217 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223479 TM048	08/05/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE217 0.80 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223492 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE218 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223448 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE218 0.80 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223453 TM048	07/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE223 0.10 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223562 TM048	08/05/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

		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	TPE223 0.80 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223567 TM048	07/05/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE224 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223592 TM048	08/05/14	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE224 0.80 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223597 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE228 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223623 TM048	08/05/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE228 0.90 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223627 TM048	07/05/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE179 0.10 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223357 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE224 0.20 - 0.00 SOLID 28/04/2014 00:00:00 140501-63 9223592 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Test Completion Dates

Lab Sample No(s)	9223392	9223398	9223402	9223407	9223357	9223362	9223366	9223375	9223380	9223385
Customer Sample Ref.	TPE178	TPE178	TPE178	TPE178	TPE179	TPE179	TPE179	TPE179	TPE179	TPE179
AGS Ref.										
Depth	0.10 - 0.00	1.00 - 0.00	1.80 - 0.00	3.10 - 0.00	0.10 - 0.00	1.00 - 0.00	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	08-May-2014	08-May-2014			08-May-2014	08-May-2014				
Asbestos Quantification - Full					16-Jun-2014					
EPH CWG (Aliphatic) GC (S)	08-May-2014	06-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014
EPH CWG (Aromatic) GC (S)	08-May-2014	06-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014
GRO by GC-FID (S)	08-May-2014	08-May-2014	09-May-2014	11-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014
Metals in solid samples by OES	12-May-2014	12-May-2014	08-May-2014	08-May-2014	12-May-2014	12-May-2014	12-May-2014	08-May-2014	08-May-2014	08-May-2014
PAH by GCMS	08-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	07-May-2014
pH	09-May-2014	09-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	02-May-2014	07-May-2014
Sample description	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	03-May-2014	03-May-2014	03-May-2014
Total Organic Carbon	09-May-2014				09-May-2014					
TPH CWG GC (S)	08-May-2014	08-May-2014	09-May-2014	11-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014

Lab Sample No(s)	9223412	9223418	9223423	9223434	9223439	9223442	9223312	9223318	9223329	9223333
Customer Sample Ref.	TPE190	TPE190	TPE190	TPE190	TPE190	TPE190	TPE196	TPE196	TPE196	TPE196
AGS Ref.										
Depth	0.20 - 0.00	1.10 - 0.00	1.90 - 0.00	3.00 - 0.00	3.90 - 0.00	4.90 - 0.00	0.10 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	08-May-2014						08-May-2014			
EPH CWG (Aliphatic) GC (S)	07-May-2014	07-May-2014	09-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014
EPH CWG (Aromatic) GC (S)	07-May-2014	07-May-2014	09-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014
GRO by GC-FID (S)	09-May-2014	06-May-2014	12-May-2014	08-May-2014	06-May-2014	09-May-2014	09-May-2014	07-May-2014	07-May-2014	08-May-2014
Metals in solid samples by OES	07-May-2014	09-May-2014	08-May-2014	07-May-2014	08-May-2014	07-May-2014	07-May-2014	08-May-2014	12-May-2014	08-May-2014
PAH by GCMS	07-May-2014	07-May-2014	09-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014
pH	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	07-May-2014	02-May-2014	02-May-2014
Sample description	02-May-2014	02-May-2014	07-May-2014	02-May-2014	02-May-2014	03-May-2014	02-May-2014	03-May-2014	02-May-2014	03-May-2014
Total Organic Carbon							09-May-2014			
TPH CWG GC (S)	09-May-2014	07-May-2014	12-May-2014	08-May-2014	07-May-2014	09-May-2014	09-May-2014	07-May-2014	07-May-2014	08-May-2014

Lab Sample No(s)	9223337	9223344	9223279	9223284	9223288	9223293	9223297	9223308	9223214	9223221
Customer Sample Ref.	TPE196	TPE196	TPE197	TPE197	TPE197	TPE197	TPE197	TPE197	TPE198	TPE198
AGS Ref.										
Depth	4.10 - 0.00	4.90 - 0.00	0.30 - 0.00	1.10 - 0.00	2.00 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			08-May-2014						08-May-2014	08-May-2014
EPH CWG (Aliphatic) GC (S)	07-May-2014	06-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	07-May-2014	08-May-2014
EPH CWG (Aromatic) GC (S)	07-May-2014	06-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	07-May-2014	08-May-2014
GRO by GC-FID (S)	08-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014
Metals in solid samples by OES	08-May-2014	08-May-2014	07-May-2014	09-May-2014	09-May-2014	12-May-2014	09-May-2014	12-May-2014	12-May-2014	12-May-2014
PAH by GCMS	08-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	08-May-2014	07-May-2014	08-May-2014	07-May-2014
pH	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014
Sample description	03-May-2014	02-May-2014	02-May-2014	04-May-2014	04-May-2014	04-May-2014	04-May-2014	04-May-2014	02-May-2014	02-May-2014
Total Organic Carbon		08-May-2014		08-May-2014			08-May-2014			09-May-2014
TPH CWG GC (S)	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014

Lab Sample No(s)	9223226	9223232	9223237	9223244	9223248	9223257	9223261	9223265	9223269	9223274
Customer Sample Ref.	TPE198	TPE198	TPE198	TPE198	TPE205	TPE205	TPE205	TPE205	TPE205	TPE205
AGS Ref.										
Depth	2.10 - 0.00	3.10 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00	2.30 - 0.00	3.10 - 0.00	3.90 - 0.00	4.20 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples					08-May-2014	08-May-2014				
EPH CWG (Aliphatic) GC (S)	08-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014	08-May-2014
EPH CWG (Aromatic) GC (S)	08-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014	08-May-2014
GRO by GC-FID (S)	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014
Metals in solid samples by OES	08-May-2014	08-May-2014	08-May-2014	08-May-2014	12-May-2014	07-May-2014	09-May-2014	12-May-2014	09-May-2014	09-May-2014
PAH by GCMS	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014
pH	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014
Sample description	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	04-May-2014	04-May-2014	04-May-2014	04-May-2014
Total Organic Carbon								08-May-2014		
TPH CWG GC (S)	08-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014	08-May-2014

CERTIFICATE OF ANALYSIS

SDG: 140501-63 **Location:** Coed Darcy **Order Number:** CD0659
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286293
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273591

Lab Sample No(s)	9223196	9223205	9223210	9223552	9223606	9223658	9223183	9223253	9223303	9223371
Customer Sample Ref.	TPE207	TPE207	TPE207	TPE207	TPE207	TPE207	TPE213	TPE213	TPE213	TPE213
AGS Ref.										
Depth	3.20 - 0.00	4.10 - 0.00	4.80 - 0.00	0.10 - 0.00	1.00 - 0.00	2.00 - 0.00	0.10 - 0.00	0.90 - 0.00	1.30 - 0.00	2.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples				08-May-2014	08-May-2014		08-May-2014	08-May-2014		
EPH CWG (Aliphatic) GC (S)	07-May-2014	07-May-2014	08-May-2014	06-May-2014	08-May-2014	09-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014
EPH CWG (Aromatic) GC (S)	07-May-2014	07-May-2014	08-May-2014	06-May-2014	08-May-2014	09-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014
GRO by GC-FID (S)	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	08-May-2014	09-May-2014	08-May-2014
Metals in solid samples by OES	07-May-2014	08-May-2014	09-May-2014	12-May-2014	07-May-2014	09-May-2014	06-May-2014	12-May-2014	09-May-2014	12-May-2014
PAH by GCMS	07-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014
pH	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	09-May-2014	07-May-2014	07-May-2014	07-May-2014
Sample description	02-May-2014	02-May-2014	04-May-2014	02-May-2014	02-May-2014	04-May-2014	02-May-2014	03-May-2014	04-May-2014	04-May-2014
Total Organic Carbon				09-May-2014			09-May-2014			08-May-2014
TPH CWG GC (S)	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014	08-May-2014	08-May-2014	09-May-2014	08-May-2014

Lab Sample No(s)	9223429	9223485	9223531	9223536	9223541	9223546	9223557	9223506	9223521	9223526
Customer Sample Ref.	TPE213	TPE213	TPE215	TPE215	TPE215	TPE215	TPE215	TPE216	TPE216	TPE216
AGS Ref.										
Depth	3.00 - 0.00	4.00 - 0.00	0.20 - 0.00	1.00 - 0.00	2.10 - 0.00	3.00 - 0.00	3.80 - 0.00	0.30 - 0.00	1.10 - 0.00	2.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			08-May-2014	08-May-2014				08-May-2014		
EPH CWG (Aliphatic) GC (S)	09-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014
EPH CWG (Aromatic) GC (S)	09-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014
GRO by GC-FID (S)	11-May-2014	08-May-2014	09-May-2014	08-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	08-May-2014	09-May-2014
Metals in solid samples by OES	12-May-2014	08-May-2014	12-May-2014	12-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	12-May-2014	09-May-2014
PAH by GCMS	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014
pH	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014
Sample description	04-May-2014	02-May-2014	03-May-2014	03-May-2014	02-May-2014	02-May-2014	03-May-2014	02-May-2014	02-May-2014	02-May-2014
Total Organic Carbon									08-May-2014	
TPH CWG GC (S)	11-May-2014	08-May-2014	09-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	07-May-2014	08-May-2014	09-May-2014

Lab Sample No(s)	9223479	9223492	9223498	9223502	9223448	9223453	9223458	9223463	9223467	9223473
Customer Sample Ref.	TPE217	TPE217	TPE217	TPE217	TPE218	TPE218	TPE218	TPE218	TPE218	TPE218
AGS Ref.										
Depth	0.20 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00	0.20 - 0.00	0.80 - 0.00	1.80 - 0.00	3.00 - 0.00	3.90 - 0.00	4.80 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	08-May-2014	08-May-2014			08-May-2014	08-May-2014				
EPH CWG (Aliphatic) GC (S)	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014
EPH CWG (Aromatic) GC (S)	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014
GRO by GC-FID (S)	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	11-May-2014	09-May-2014	09-May-2014
Metals in solid samples by OES	07-May-2014	07-May-2014	07-May-2014	08-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	12-May-2014
PAH by GCMS	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	07-May-2014	09-May-2014	08-May-2014	08-May-2014	08-May-2014
pH	07-May-2014	09-May-2014	07-May-2014	07-May-2014	09-May-2014	09-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014
Sample description	02-May-2014	02-May-2014	03-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014
Total Organic Carbon				08-May-2014	07-May-2014					08-May-2014
TPH CWG GC (S)	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	09-May-2014	11-May-2014	09-May-2014	09-May-2014

Lab Sample No(s)	9223562	9223567	9223574	9223578	9223583	9223587	9223592	9223597	9223602	9223611
Customer Sample Ref.	TPE223	TPE223	TPE223	TPE223	TPE223	TPE223	TPE224	TPE224	TPE224	TPE224
AGS Ref.										
Depth	0.10 - 0.00	0.80 - 0.00	2.00 - 0.00	3.20 - 0.00	4.00 - 0.00	4.80 - 0.00	0.20 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	08-May-2014	08-May-2014					08-May-2014	08-May-2014		
Asbestos Quantification - Full							16-Jun-2014			
EPH CWG (Aliphatic) GC (S)	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	06-May-2014	06-May-2014	07-May-2014	06-May-2014
EPH CWG (Aromatic) GC (S)	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	06-May-2014	06-May-2014	07-May-2014	06-May-2014
GRO by GC-FID (S)	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	06-May-2014	09-May-2014	08-May-2014	07-May-2014	07-May-2014
Metals in solid samples by OES	12-May-2014	12-May-2014	12-May-2014	09-May-2014	12-May-2014	09-May-2014	07-May-2014	09-May-2014	07-May-2014	12-May-2014
PAH by GCMS	07-May-2014	07-May-2014	08-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014
pH	08-May-2014	09-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	02-May-2014	02-May-2014
Sample description	03-May-2014	03-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014
Total Organic Carbon		09-May-2014								
TPH CWG GC (S)	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	07-May-2014	09-May-2014	08-May-2014	07-May-2014	07-May-2014

CERTIFICATE OF ANALYSIS

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

Lab Sample No(s)	9223615	9223619	9223623	9223627	9223635	9223646	9223650	9223654
Customer Sample Ref.	TPE224	TPE224	TPE228	TPE228	TPE228	TPE228	TPE228	TPE228
AGS Ref.								
Depth	3.90 - 0.00	4.90 - 0.00	0.20 - 0.00	0.90 - 0.00	1.80 - 0.00	3.10 - 0.00	4.00 - 0.00	4.90 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			08-May-2014	08-May-2014				
EPH CWG (Aliphatic) GC (S)	06-May-2014	07-May-2014	06-May-2014	06-May-2014	07-May-2014	07-May-2014	06-May-2014	07-May-2014
EPH CWG (Aromatic) GC (S)	06-May-2014	07-May-2014	06-May-2014	06-May-2014	07-May-2014	07-May-2014	06-May-2014	07-May-2014
GRO by GC-FID (S)	07-May-2014	08-May-2014	09-May-2014	09-May-2014	07-May-2014	08-May-2014	07-May-2014	07-May-2014
Metals in solid samples by OES	12-May-2014	12-May-2014	07-May-2014	09-May-2014	12-May-2014	07-May-2014	07-May-2014	12-May-2014
PAH by GCMS	08-May-2014	08-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014
pH	02-May-2014	02-May-2014	08-May-2014	08-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014
Sample description	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014
Total Organic Carbon		08-May-2014					08-May-2014	
TPH CWG GC (S)	07-May-2014	08-May-2014	09-May-2014	09-May-2014	07-May-2014	08-May-2014	07-May-2014	07-May-2014

SDG:	140501-63	**Location:**	Coed Darcy	**Order Number:**	CD0659
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286293
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273591

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:	02 October 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140501-62
Your Reference:	TP East
Location:	Coed Darcy
Report No:	286287

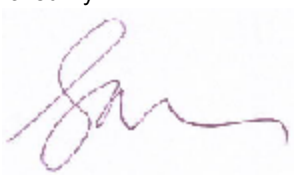
This report has been revised and directly supersedes 273715 in its entirety.

We received 31 samples on Thursday May 01, 2014 and 31 of these samples were scheduled for analysis which was completed on Tuesday June 17, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan
Operations Manager

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

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9223072	TPE163		0.10 - 0.00	30/04/2014
9223076	TPE163		1.00 - 0.00	30/04/2014
9223094	TPE163		2.00 - 0.00	30/04/2014
9223098	TPE163		3.10 - 0.00	30/04/2014
9223036	TPE166		0.10 - 0.00	30/04/2014
9223049	TPE166		0.50 - 0.00	30/04/2014
9223053	TPE166		1.10 - 0.00	30/04/2014
9223059	TPE166		2.00 - 0.00	30/04/2014
9223068	TPE166		3.40 - 0.00	30/04/2014
9222996	TPE208		0.20 - 0.00	30/04/2014
9223015	TPE208		0.80 - 0.00	30/04/2014
9223021	TPE208		1.40 - 0.00	30/04/2014
9223030	TPE208		2.10 - 0.00	30/04/2014
9223121	TPE220		0.20 - 0.00	30/04/2014
9223126	TPE220		1.00 - 0.00	30/04/2014
9222924	TPE220		2.10 - 0.00	30/04/2014
9222931	TPE220		3.00 - 0.00	30/04/2014
9222936	TPE220		4.00 - 0.00	30/04/2014
9222944	TPE220		4.90 - 0.00	30/04/2014
9223102	TPE221		0.10 - 0.00	30/04/2014
9223106	TPE221		0.40 - 0.00	30/04/2014
9223112	TPE221		1.40 - 0.00	30/04/2014
9223117	TPE221		2.10 - 0.00	30/04/2014
9222918	TPE222		0.10 - 0.00	30/04/2014
9223004	TPE222		1.00 - 0.00	30/04/2014
9223087	TPE222		1.80 - 0.00	30/04/2014
9222947	TPE229		0.10 - 0.00	30/04/2014
9222957	TPE229		0.80 - 0.00	30/04/2014
9222970	TPE229		2.00 - 0.00	30/04/2014
9222984	TPE229		3.00 - 0.00	30/04/2014
9222991	TPE229		4.10 - 0.00	30/04/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	9223072	9223076	9223094	9223098	9223036	9223049	9223053	9223059	9223068	9222996	9223015	9223021	9223030	9223121	9223126
Customer Sample Reference	TPE163	TPE163	TPE163	TPE163	TPE166	TPE166	TPE166	TPE166	TPE166	TPE208	TPE208	TPE208	TPE208	TPE220	TPE220
AGS Reference															
Depth (m)	0.10 - 0.00	1.00 - 0.00	2.00 - 0.00	3.10 - 0.00	0.10 - 0.00	0.50 - 0.00	1.10 - 0.00	2.00 - 0.00	3.40 - 0.00	0.20 - 0.00	0.80 - 0.00	1.40 - 0.00	2.10 - 0.00	0.20 - 0.00	1.00 - 0.00
Container	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 60g VOC (ALE215)	250g Amber Jar, 60g VOC (ALE215)	250g Amber Jar, 60g VOC (ALE215)	250g Amber Jar, 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214), 60g VOC (ALE215)	250g Amber Jar, 400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 14		X		X			X		X				X		X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 31	X		X		X		X		X		X		X		X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 31	X		X		X		X		X		X		X		X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 31		X		X		X		X		X		X		X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 31	X		X		X		X		X		X		X		X
PAH by GCMS	All	NDPs: 0 Tests: 31	X		X		X		X		X		X		X		X
pH	All	NDPs: 0 Tests: 31		X		X		X		X		X		X		X	
Sample description	All	NDPs: 0 Tests: 31	X		X		X		X		X		X		X		X
Total Organic Carbon	All	NDPs: 0 Tests: 9				X				X							X
TPH CWG GC (S)	All	NDPs: 0 Tests: 31	X		X		X		X		X		X		X		X

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	9223126	9222924	9222931	9222936	9222944	9223102	9223106	9223112	9223117	9222918	9223004	9223087	9222947	9222957	9222970
Customer Sample Reference	TPE220	TPE220	TPE220	TPE220	TPE220	TPE221	TPE221	TPE221	TPE221	TPE222	TPE222	TPE222	TPE229	TPE229	TPE229
AGS Reference															
Depth (m)	1.00 - 0.00	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.10 - 0.00	0.40 - 0.00	1.40 - 0.00	2.10 - 0.00	0.10 - 0.00	1.00 - 0.00	1.80 - 0.00	0.10 - 0.00	0.80 - 0.00	2.00 - 0.00
Container	60g VOC (ALE215)	250g Amber Jar 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214)	250g Amber Jar 60g VOC (ALE215)	60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar 400g Tub (ALE214)	250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)	250g Amber Jar 400g Tub (ALE214) 60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 14					X	X			X		X		X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 2									X		X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PAH by GCMS	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sample description	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Total Organic Carbon	All	NDPs: 0 Tests: 9					X	X				X				X
TPH CWG GC (S)	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)						Customer Sample Reference						AGS Reference						Depth (m)						Container					
			9222984					9222991	TPE229					TPE229							3.00 - 0.00					4.10 - 0.00	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 31	X					X																								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 31	X					X																								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 31			X																											X
Metals in solid samples by OES	All	NDPs: 0 Tests: 31	X					X																								
PAH by GCMS	All	NDPs: 0 Tests: 31	X					X																								
pH	All	NDPs: 0 Tests: 31		X																												
Sample description	All	NDPs: 0 Tests: 31	X					X																								
Total Organic Carbon	All	NDPs: 0 Tests: 9						X																								
TPH CWG GC (S)	All	NDPs: 0 Tests: 31	X					X																								

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

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
9223072	TPE163	0.10 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9223076	TPE163	1.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9223094	TPE163	2.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9223098	TPE163	3.10 - 0.00	Black	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9223036	TPE166	0.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9223049	TPE166	0.50 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223053	TPE166	1.10 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9223059	TPE166	2.00 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9223068	TPE166	3.40 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9222996	TPE208	0.20 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223015	TPE208	0.80 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223021	TPE208	1.40 - 0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9223030	TPE208	2.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9222924	TPE220	2.10 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9222931	TPE220	3.00 - 0.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
9222936	TPE220	4.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9222944	TPE220	4.90 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9223121	TPE220	0.20 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223126	TPE220	1.00 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223102	TPE221	0.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223106	TPE221	0.40 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223112	TPE221	1.40 - 0.00	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9223117	TPE221	2.10 - 0.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	None	None
9222918	TPE222	0.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9223004	TPE222	1.00 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Fibres
9223087	TPE222	1.80 - 0.00	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9222947	TPE229	0.10 - 0.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9222957	TPE229	0.80 - 0.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
9222970	TPE229	2.00 - 0.00	Black	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9222984	TPE229	3.00 - 0.00	Grey	Sandy Loam	0.1 - 2 mm	N/A	Stones
9222991	TPE229	4.10 - 0.00	Grey	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:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE163	TPE163	TPE163	TPE163	TPE166	TPE166
			Depth (m)	0.10 - 0.00	1.00 - 0.00	2.00 - 0.00	3.10 - 0.00	0.10 - 0.00	0.50 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9223072	9223076	9223094	9223098	9223036	9223049
			AGS Reference						
Moisture Content Ratio	%	PM024		9.9	13	9.1	11	9.2	12
Soil Organic Matter (SOM)	<0.35 %	TM132				1.45 #			1.1 #
pH	1 pH Units	TM133		6.37 M	6.36 M	6.97 M	5.76 M	6.01 M	6.99 M
Arsenic	<0.6 mg/kg	TM181		16.1 M	29.5 M	23 M	9.73 M	17.9 M	51.6 M
Cadmium	<0.02 mg/kg	TM181		0.447 M	0.449 M	0.486 M	0.249 M	0.274 M	0.902 M
Chromium	<0.9 mg/kg	TM181		14 M	14.8 M	14.5 M	14.3 M	14.4 M	15 M
Copper	<1.4 mg/kg	TM181		27.2 M	52.5 M	36.5 M	16.4 M	16.3 M	105 M
Lead	<0.7 mg/kg	TM181		16.1 M	26.1 M	22.9 M	13 M	18.4 M	48.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.6 M	29.3 M	26.8 M	27 M	24.4 M	21.3 M
Selenium	<1 mg/kg	TM181		2.26 #	1.88 #	1.8 #	<1 #	1.42 #	1.77 #
Vanadium	<0.2 mg/kg	TM181		16.6 #	19.7 #	17.3 #	16.7 #	18.6 #	24.8 #
Zinc	<1.9 mg/kg	TM181		120 M	145 M	96.9 M	80.8 M	95.8 M	135 M

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE166	TPE166	TPE166	TPE208	TPE208	TPE208
			Depth (m)	1.10 - 0.00	2.00 - 0.00	3.40 - 0.00	0.20 - 0.00	0.80 - 0.00	1.40 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9223053	9223059	9223068	9222996	9223015	9223021
			AGS Reference						
Moisture Content Ratio	%	PM024		11	11	12	8.3	8.2	9.7
Soil Organic Matter (SOM)	<0.35 %	TM132				1.58 #			
pH	1 pH Units	TM133		7.1 M	7.29 M	6.97 M	5.39 M	5.69 M	6.69 M
Arsenic	<0.6 mg/kg	TM181		18.2 M	15.5 M	11.2 M	22.7 M	16.2 M	12.4 M
Cadmium	<0.02 mg/kg	TM181		0.65 M	0.35 M	0.144 M	1.06 M	0.403 M	0.13 M
Chromium	<0.9 mg/kg	TM181		14.5 M	12.6 M	16.7 M	17.1 M	14.5 M	12.6 M
Copper	<1.4 mg/kg	TM181		37.4 M	23.2 M	19.2 M	152 M	34.3 M	20.1 M
Lead	<0.7 mg/kg	TM181		22.2 M	16.5 M	16.8 M	76.7 M	22.2 M	22 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	2.2 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.7 M	23.8 M	28.5 M	27 M	22.9 M	25.7 M
Selenium	<1 mg/kg	TM181		1.72 #	1.25 #	<1 #	1.1 #	1.27 #	1.09 #
Vanadium	<0.2 mg/kg	TM181		19.1 #	15.5 #	21.5 #	30.1 #	18.4 #	15.4 #
Zinc	<1.9 mg/kg	TM181		111 M	80.2 M	83.2 M	259 M	93.6 M	78.7 M

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE208	TPE220	TPE220	TPE220	TPE220	TPE220
			Depth (m)	2.10 - 0.00	0.20 - 0.00	1.00 - 0.00	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9223030	9223121	9223126	9222924	9222931	9222936
			AGS Reference						
Moisture Content Ratio	%	PM024		10	7.5	10	18	17	16
Soil Organic Matter (SOM)	<0.35 %	TM132				1.81 #			
pH	1 pH Units	TM133		6.76 M	5.56 M	5.08 M	6.39 M	5.17 M	4.98 M
Arsenic	<0.6 mg/kg	TM181		10.3 M	24.3 M	36.8 M	34.6 M	8.11 M	13.1 M
Cadmium	<0.02 mg/kg	TM181		0.164 M	0.386 M	0.478 M	0.962 M	0.0603 M	0.399 M
Chromium	<0.9 mg/kg	TM181		13.6 M	14 M	14.8 M	17.6 M	13.4 M	30.9 M
Copper	<1.4 mg/kg	TM181		17.7 M	45.7 M	45.1 M	51.8 M	39.6 M	91.8 M
Lead	<0.7 mg/kg	TM181		21.6 M	26.4 M	22.9 M	40.5 M	19.2 M	98.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.6 M	19.2 M	20.9 M	17.7 M	15.4 M	35.3 M
Selenium	<1 mg/kg	TM181		1.16 #	<1 #	1.57 #	3.3 #	<1 #	2.27 #
Vanadium	<0.2 mg/kg	TM181		18.4 #	17.7 #	19.3 #	24.5 #	18.9 #	18.9 #
Zinc	<1.9 mg/kg	TM181		79.7 M	77.8 M	82.1 M	155 M	51.1 M	284 M

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE220	TPE221	TPE221	TPE221	TPE221	TPE222
			Depth (m)	4.90 - 0.00	0.10 - 0.00	0.40 - 0.00	1.40 - 0.00	2.10 - 0.00	0.10 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9222944	9223102	9223106	9223112	9223117	9222918
			AGS Reference						
Moisture Content Ratio	%	PM024		16	11	4.4	6.8	7.4	8.7
Soil Organic Matter (SOM)	<0.35 %	TM132		7.48 #			1.22 #		
pH	1 pH Units	TM133		5.7 M	5.59 M	6.6 M	6.94 #	8.01 M	6.02 M
Arsenic	<0.6 mg/kg	TM181		20.1 M	29.6 M	18.2 M	11.3 #	9.78 M	23.7 M
Cadmium	<0.02 mg/kg	TM181		0.531 M	1.83 M	0.462 M	0.125 #	0.203 M	0.734 M
Chromium	<0.9 mg/kg	TM181		15.2 M	20.1 M	19.3 M	16.4 #	16.9 M	14.2 M
Copper	<1.4 mg/kg	TM181		44 M	299 M	40.4 M	31.8 #	37.4 M	55.8 M
Lead	<0.7 mg/kg	TM181		26.5 M	146 M	89.1 M	20.4 #	25.3 M	39.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	3.99 M	0.252 M	<0.14 #	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		28.5 M	38.9 M	32.4 M	44.6 #	44.8 M	23 M
Selenium	<1 mg/kg	TM181		1.58 #	2.22 #	1.24 #	1.68 #	1.96 #	1.62 #
Vanadium	<0.2 mg/kg	TM181		23.8 #	47.5 #	20.4 #	18.3 #	19.3 #	19.6 #
Zinc	<1.9 mg/kg	TM181		112 M	415 M	113 M	106 #	115 M	116 M

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE222	TPE222	TPE229	TPE229	TPE229	TPE229
			Depth (m)	1.00 - 0.00	1.80 - 0.00	0.10 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9223004	9223087	9222947	9222957	9222970	9222984
			AGS Reference						
Moisture Content Ratio	%	PM024		15	11	8.4	5.2	14	14
Soil Organic Matter (SOM)	<0.35 %	TM132			1.48 #			1.13 #	
pH	1 pH Units	TM133		7.26 M	8.17 #	8.31 M	8.16 M	6.08 M	6.57 M
Arsenic	<0.6 mg/kg	TM181		23.6 M	9.45 #	18.7 M	6.41 M	10.5 M	10.8 M
Cadmium	<0.02 mg/kg	TM181		1.73 M	0.14 #	0.454 M	0.16 M	0.19 M	0.181 M
Chromium	<0.9 mg/kg	TM181		47.6 M	16.3 #	33.9 M	9.57 M	14.6 M	14.3 M
Copper	<1.4 mg/kg	TM181		58.2 M	31.4 #	38 M	13.2 M	14.1 M	18.1 M
Lead	<0.7 mg/kg	TM181		1120 M	44.9 #	52.1 M	10.6 M	16.2 M	17.6 M
Mercury	<0.14 mg/kg	TM181		5.67 M	<0.14 #	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		48.6 M	42.5 #	23.6 M	22.1 M	24.6 M	27 M
Selenium	<1 mg/kg	TM181		1.5 #	1.82 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.1 #	18.1 #	20.6 #	10.7 #	16.5 #	16.3 #
Zinc	<1.9 mg/kg	TM181		380 M	107 #	105 M	53 M	70.1 M	79.4 M

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			TPE229	4.10 - 0.00	Soil/Solid	30/04/2014	-	01/05/2014	140501-62	9222991	
Moisture Content Ratio	%	PM024	13								
Soil Organic Matter (SOM)	<0.35 %	TM132	0.984 #								
pH	1 pH Units	TM133	6.31 M								
Arsenic	<0.6 mg/kg	TM181	11.2 M								
Cadmium	<0.02 mg/kg	TM181	0.236 M								
Chromium	<0.9 mg/kg	TM181	14.1 M								
Copper	<1.4 mg/kg	TM181	16.1 M								
Lead	<0.7 mg/kg	TM181	15.4 M								
Mercury	<0.14 mg/kg	TM181	<0.14 M								
Nickel	<0.2 mg/kg	TM181	27.3 M								
Selenium	<1 mg/kg	TM181	<1 #								
Vanadium	<0.2 mg/kg	TM181	16.4 #								
Zinc	<1.9 mg/kg	TM181	83.4 M								

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			TPE163	0.10 - 0.00	Soil/Solid	30/04/2014	.	01/05/2014	140501-62	9223072	
			TPE163	1.00 - 0.00	Soil/Solid	30/04/2014	.	01/05/2014	140501-62	9223076	
			TPE163	2.00 - 0.00	Soil/Solid	30/04/2014	.	01/05/2014	140501-62	9223094	
			TPE163	3.10 - 0.00	Soil/Solid	30/04/2014	.	01/05/2014	140501-62	9223098	
			TPE166	0.10 - 0.00	Soil/Solid	30/04/2014	.	01/05/2014	140501-62	9223036	
			TPE166	0.50 - 0.00	Soil/Solid	30/04/2014	.	01/05/2014	140501-62	9223049	
Naphthalene-d8 % recovery**	%	TM218	93.9	100	92.8	94.3	100	103			
Acenaphthene-d10 % recovery**	%	TM218	91.2	106	89.7	95.3	102	102			
Phenanthrene-d10 % recovery**	%	TM218	90.1	104	88.7	92.3	100	100			
Chrysene-d12 % recovery**	%	TM218	87.2	102	82	87.8	97.4	94.2			
Perylene-d12 % recovery**	%	TM218	90.3	105	81.5	94.7	102	91.6			
Naphthalene	<9 µg/kg	TM218	<9 M	<9 M	<9 M	28.3 M	10.7 M	10.3 M			
Acenaphthylene	<12 µg/kg	TM218	<12 M	<12 M	<12 M	146 M	<12 M	<12 M			
Acenaphthene	<8 µg/kg	TM218	<8 M	<8 M	<8 M	<8 M	<8 M	<8 M			
Fluorene	<10 µg/kg	TM218	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M			
Phenanthrene	<15 µg/kg	TM218	76.4 M	84.8 M	32.3 M	447 M	156 M	73 M			
Anthracene	<16 µg/kg	TM218	<16 M	<16 M	<16 M	745 M	<16 M	<16 M			
Fluoranthene	<17 µg/kg	TM218	42.2 M	36 M	<17 M	167 M	25.2 M	59.3 M			
Pyrene	<15 µg/kg	TM218	33.6 M	25.4 M	<15 M	772 M	<15 M	44.2 M			
Benz(a)anthracene	<14 µg/kg	TM218	22.3 M	37.5 M	<14 M	59 M	28.8 M	41.3 M			
Chrysene	<10 µg/kg	TM218	62.3 M	50.9 M	<10 M	81.3 M	77.7 M	42.9 M			
Benzo(b)fluoranthene	<15 µg/kg	TM218	64.2 M	52.4 M	<15 M	27.8 M	73.8 M	44.8 M			
Benzo(k)fluoranthene	<14 µg/kg	TM218	17.2 M	<14 M	<14 M	<14 M	<14 M	<14 M			
Benzo(a)pyrene	<15 µg/kg	TM218	34.8 M	18.7 M	<15 M	<15 M	<15 M	19.6 M			
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218	23.2 M	<18 M	<18 M	<18 M	<18 M	<18 M			
Dibenzo(a,h)anthracene	<23 µg/kg	TM218	<23 M	<23 M	<23 M	<23 M	<23 M	<23 M			
Benzo(g,h,i)perylene	<24 µg/kg	TM218	29.2 M	<24 M	<24 M	<24 M	<24 M	<24 M			
PAH, Total Detected USEPA 16	<118 µg/kg	TM218	405	306	<118	2470	372	335			

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE166	TPE166	TPE166	TPE208	TPE208	TPE208
			Depth (m)	1.10 - 0.00	2.00 - 0.00	3.40 - 0.00	0.20 - 0.00	0.80 - 0.00	1.40 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9223053	9223059	9223068	9222996	9223015	9223021
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		90.9	94.3	96.3	89.6	93.6	97.6
Acenaphthene-d10 % recovery**	%	TM218		88.3	91.6	99.5	95.5	88.7	101
Phenanthrene-d10 % recovery**	%	TM218		87.8	91.3	97.1	96.3	85.2	99.2
Chrysene-d12 % recovery**	%	TM218		83.4	86.2	94.1	102	78.5	96.2
Perylene-d12 % recovery**	%	TM218		84.6	85.6	100	109	75.5	107
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	201 M	<45 M	15.3 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	83.2 M	<60 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	664 M	2260 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	896 M	2750 M	<10 M	32.2 M
Phenanthrene	<15 µg/kg	TM218		54.5 M	77.4 M	1630 M	10700 M	142 M	170 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	860 M	7000 M	<16 M	111 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	120 M	1760 M	19.5 M	51.4 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	511 M	5370 M	<15 M	152 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	37.5 M	735 M	<14 M	35.4 M
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	108 M	2100 M	47 M	85.7 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	35.1 M	713 M	46.4 M	80.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	114 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	315 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	146 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<115 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	252 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	5150	34200	270	718

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE208	TPE220	TPE220	TPE220	TPE220	TPE220
			Depth (m)	2.10 - 0.00	0.20 - 0.00	1.00 - 0.00	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9223030	9223121	9223126	9222924	9222931	9222936
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.3	94.4	94.8	105	81.8	94.2
Acenaphthene-d10 % recovery**	%	TM218		94.2	93	93.4	100	81.8	93.9
Phenanthrene-d10 % recovery**	%	TM218		94.2	92.2	90.9	99.7	78.8	91.1
Chrysene-d12 % recovery**	%	TM218		83.7	96	88.1	84.1	72.3	86.2
Perylene-d12 % recovery**	%	TM218		84.7	101	90.5	98	74.7	89.8
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	<9 M	13.6 M	230 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	24.7 M	11.1 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	70.1 M
Phenanthrene	<15 µg/kg	TM218		106 M	90.3 M	83.5 M	46.6 M	443 M	772 M
Anthracene	<16 µg/kg	TM218		<16 M	17.7 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		24.6 M	22.6 M	<17 M	<17 M	32.9 M	56.7 M
Pyrene	<15 µg/kg	TM218		22.2 M	21.2 M	<15 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	20.6 M
Chrysene	<10 µg/kg	TM218		64.5 M	39.9 M	25.6 M	<10 M	171 M	343 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		80.6 M	21.7 M	25.1 M	32.2 M	167 M	269 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		298	213	134	<118	852	1770

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE220	TPE221	TPE221	TPE221	TPE221	TPE222
			Depth (m)	4.90 - 0.00	0.10 - 0.00	0.40 - 0.00	1.40 - 0.00	2.10 - 0.00	0.10 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9222944	9223102	9223106	9223112	9223117	9222918
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	93.3	93.9	93.9	92.7	95.7
Acenaphthene-d10 % recovery**	%	TM218		101	101	92.9	93	84.4	94.1
Phenanthrene-d10 % recovery**	%	TM218		99.3	102	92.3	87.4	83.3	92.7
Chrysene-d12 % recovery**	%	TM218		95.3	109	93.7	78.3	90.3	96.4
Perylene-d12 % recovery**	%	TM218		102	113	95.4	88.8	89.8	101
Naphthalene	<9 µg/kg	TM218		86.8 M	<90 M	14.1 M	<9 #	37.2 M	25.5 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<120 M	<12 M	<12 #	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	3610 M	14.4 M	9.23 #	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		18.3 M	4660 M	33 M	12 #	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		570 M	13900 M	236 M	49.9 #	48.7 M	225 M
Anthracene	<16 µg/kg	TM218		<16 M	16900 M	56.5 M	<16 #	<16 M	54.2 M
Fluoranthene	<17 µg/kg	TM218		64.7 M	4640 M	248 M	<17 #	<17 M	131 M
Pyrene	<15 µg/kg	TM218		28 M	12500 M	218 M	<15 #	<15 M	137 M
Benz(a)anthracene	<14 µg/kg	TM218		25.2 M	2040 M	106 M	<14 #	<14 M	60.8 M
Chrysene	<10 µg/kg	TM218		322 M	5630 M	123 M	<10 #	<10 M	154 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		249 M	2030 M	175 M	<15 #	23.2 M	138 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<140 M	35.1 M	<14 #	<14 M	29.2 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	928 M	120 M	<15 #	<15 M	77.2 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	449 M	80.2 M	<18 #	<18 M	54.5 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	295 M	24.1 M	<23 #	<23 M	25.4 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	848 M	104 M	<24 #	<24 M	65.3 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1360	68500	1590	<118	<118	1180

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE222	TPE222	TPE229	TPE229	TPE229	TPE229
			Depth (m)	1.00 - 0.00	1.80 - 0.00	0.10 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9223004	9223087	9222947	9222957	9222970	9222984
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		83.9	99.8	93.1	94	97	89.6
Acenaphthene-d10 % recovery**	%	TM218		75.7	100	92.4	93	98.1	87.2
Phenanthrene-d10 % recovery**	%	TM218		68	101	91	91.3	95.9	79.6
Chrysene-d12 % recovery**	%	TM218		67	96.8	92.6	90.8	88.3	74.8
Perylene-d12 % recovery**	%	TM218		68.1	97.5	97.8	97.1	91.7	74.2
Naphthalene	<9 µg/kg	TM218		176 M	<9 #	46.1 M	25.1 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		173 M	<12 #	42.1 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		378 M	13.3 #	15.9 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		377 M	21.4 #	32.2 M	32.6 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		5220 M	201 #	307 M	92.6 M	18.2 M	35.3 M
Anthracene	<16 µg/kg	TM218		798 M	48.2 #	97.5 M	<16 M	<16 M	37.2 M
Fluoranthene	<17 µg/kg	TM218		10600 M	418 #	962 M	20.5 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		8210 M	384 #	777 M	23.8 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		5120 M	138 #	699 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		4260 M	207 #	711 M	22.8 M	<10 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		5170 M	207 #	868 M	26.2 M	<15 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		2660 M	106 #	383 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		5400 M	173 #	749 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		3170 M	99.8 #	469 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		847 M	29.5 #	169 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		3790 M	142 #	566 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		56300	2190	6890	244	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE229
			Depth (m)	4.10 - 0.00
			Sample Type	Soil/Solid
			Date Sampled	30/04/2014
			Sample Time	-
			Date Received	01/05/2014
			SDG Ref	140501-62
			Lab Sample No.(s)	9222991
			AGS Reference	
Naphthalene-d8 % recovery**	%	TM218		96
Acenaphthene-d10 % recovery**	%	TM218		95.9
Phenanthrene-d10 % recovery**	%	TM218		92.2
Chrysene-d12 % recovery**	%	TM218		83.8
Perylene-d12 % recovery**	%	TM218		81.5
Naphthalene	<9 µg/kg	TM218		<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M
Fluorene	<10 µg/kg	TM218		<10 M
Phenanthrene	<15 µg/kg	TM218		24.3 M
Anthracene	<16 µg/kg	TM218		<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M
Pyrene	<15 µg/kg	TM218		<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M
Chrysene	<10 µg/kg	TM218		<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118

CERTIFICATE OF ANALYSIS

SDG: 140501-62 **Location:** Coed Darcy **Order Number:** CD0660
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286287
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273715

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE163	TPE163	TPE163	TPE163	TPE166	TPE166
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.10 - 0.00	1.00 - 0.00	2.00 - 0.00	3.10 - 0.00	0.10 - 0.00	0.50 - 0.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
*	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	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223072	9223076	9223094	9223098	9223036	9223049
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	81	98	77	58	87	82
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44 M	<44 M	<44 M	8840 M	<44 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10	<10	14.6	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10	<10	548	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	<10	4740	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	608000	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	4520	<100	<100	885000	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	5090	<100	<100	393000	<100	1380
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	856	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	9610	<100	<100	1890000	<100	1380
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10	<10	365	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	<10	3160	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	576	364000	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	469	707000	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	1930	284000	<100	2440
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	3470	<200	<100	1260
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	1300	<200	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	6450	1350000	<100	3690
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	9610	<100	6450	3250000	<100	5080

CERTIFICATE OF ANALYSIS

SDG: 140501-62 **Location:** Coed Darcy **Order Number:** CD0660
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286287
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE166	TPE166	TPE166	TPE208	TPE208	TPE208
			Depth (m)	1.10 - 0.00	2.00 - 0.00	3.40 - 0.00	0.20 - 0.00	0.80 - 0.00	1.40 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9223053	9223059	9223068	9222996	9223015	9223021
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		102	94	70	59	71	70
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	<44 M	9210 M	28200 M	189 M	2310 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<40 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<60 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<120 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<60 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	<200	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	17	856	21.8	416
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	568	3980	32.7	335
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	4940	12400	62.1	795
Aliphatics >C12-C16	<100 µg/kg	TM173		3230	<100	539000	1750000	2890	107000
Aliphatics >C16-C21	<100 µg/kg	TM173		13800	<100	757000	6000000	14000	394000
Aliphatics >C21-C35	<100 µg/kg	TM173		14500	<100	298000	6880000	24200	466000
Aliphatics >C35-C44	<100 µg/kg	TM173		1170	<100	110	613000	4010	47500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		32700	<100	1590000	15200000	45100	1010000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<200	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<200	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	382	2650	27.2	223
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	3290	8270	41.4	529
Aromatics >EC12-EC16	<100 µg/kg	TM173		3270	<100	341000	1470000	1620	51700
Aromatics >EC16-EC21	<100 µg/kg	TM173		9090	<100	466000	5480000	6740	226000
Aromatics >EC21-EC35	<100 µg/kg	TM173		8120	<100	178000	6080000	15100	268000
Aromatics >EC35-EC44	<100 µg/kg	TM173		2710	<100	<100	862000	6910	44100
Aromatics >EC40-EC44	<100 µg/kg	TM173		859	<100	<100	304000	2670	15800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		23200	<100	985000	13900000	30300	590000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		55900	<100	2590000	29200000	75700	1610000

CERTIFICATE OF ANALYSIS

SDG: 140501-62 **Location:** Coed Darcy **Order Number:** CD0660
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286287
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273715

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE208	TPE220	TPE220	TPE220	TPE220	TPE220
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	2.10 - 0.00	0.20 - 0.00	1.00 - 0.00	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
		Sample Time	.	.	.	.	.	.
		Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223030	9223121	9223126	9222924	9222931	9222936
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	77	80	85	83	34	53
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	17000 M	<44 M	<44 M	593 M	115 M	12600 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10	<10	12.2	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	3700	<10	<10	84.2	26.6	488
Aliphatics >C8-C10	<10 µg/kg	TM089	2130	<10	<10	70.8	26.6	3760
Aliphatics >C10-C12	<10 µg/kg	TM089	5870	<10	<10	227	20.6	3480
Aliphatics >C12-C16	<100 µg/kg	TM173	9510	6080	<100	1870	<100	177000
Aliphatics >C16-C21	<100 µg/kg	TM173	27200	76200	<100	3450	155	51300
Aliphatics >C21-C35	<100 µg/kg	TM173	30000	127000	<100	7730	3870	33900
Aliphatics >C35-C44	<100 µg/kg	TM173	1820	14500	<100	815	<100	5030
Total Aliphatics >C12-C44	<100 µg/kg	TM173	68500	224000	<100	13900	4030	267000
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	1420	<10	<10	47.6	20.6	2510
Aromatics >EC10-EC12	<10 µg/kg	TM089	3910	<10	<10	151	13.3	2320
Aromatics >EC12-EC16	<100 µg/kg	TM173	4800	592	<100	<100	<100	23200
Aromatics >EC16-EC21	<100 µg/kg	TM173	18300	13900	<100	<100	<100	13800
Aromatics >EC21-EC35	<100 µg/kg	TM173	24300	57100	<100	1820	<100	16700
Aromatics >EC35-EC44	<100 µg/kg	TM173	7130	11600	<100	178	<100	2740
Aromatics >EC40-EC44	<100 µg/kg	TM173	3080	3980	<100	494	<100	461
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	54500	83100	<100	2000	<100	56400
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	140000	307000	<100	16500	4100	336000

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE220	TPE221	TPE221	TPE221	TPE221	TPE222
			Depth (m)	4.90 - 0.00	0.10 - 0.00	0.40 - 0.00	1.40 - 0.00	2.10 - 0.00	0.10 - 0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
			Sample Time	.	.	.	.	.	.
			Date Received	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
			SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
			Lab Sample No.(s)	9222944	9223102	9223106	9223112	9223117	9222918
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		83	51	77	89	73 2	61
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		16900 M	51400 M	109 M	205 #	28400 2 M	<44 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		19 M	<100 M	<5 M	<5 #	<5 2 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<200 M	<10 M	<10 #	<10 2 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<40 M	<2 M	2.15 #	<2 2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<60 M	<3 M	<3 #	<3 2 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<120 M	<6 M	<6 #	<6 2 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<60 M	<3 M	<3 #	<3 2 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9 2	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24 2	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		34.5	<200	<10	<10	342 2	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		1540	2510	19.9	22.5	12300 2	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		5070	8720	20.9	26.8	6730 2	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		4130	20500	24.1	73	2740 2	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		15200	3650000	17400	17500	11900	4300
Aliphatics >C16-C21	<100 µg/kg	TM173		7090	12900000	67100	61200	6470	48600
Aliphatics >C21-C35	<100 µg/kg	TM173		22200	16600000	84000	66300	5650	108000
Aliphatics >C35-C44	<100 µg/kg	TM173		2050	1600000	8350	4880	497	20600
Total Aliphatics >C12-C44	<100 µg/kg	TM173		46500	34700000	177000	150000	24500	182000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<200	<10	<10	<10 2	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<200	<10	<10	<10 2	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		3380	5810	18.8	25.8	4490 2	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		2750	13700	15.7	49.4	1820 2	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		4740	4250000	9340	7300	2000	3660
Aromatics >EC16-EC21	<100 µg/kg	TM173		3820	17300000	40000	30500	813	34500
Aromatics >EC21-EC35	<100 µg/kg	TM173		18400	20200000	51100	29200	<100	149000
Aromatics >EC35-EC44	<100 µg/kg	TM173		6050	2380000	9830	3130	<100	46800
Aromatics >EC40-EC44	<100 µg/kg	TM173		2030	785000	3500	787	<100	16100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		33100	44100000	110000	70000	2810	233000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		96500	78900000	287000	220000	55800	415000

CERTIFICATE OF ANALYSIS

SDG: 140501-62 **Location:** Coed Darcy **Order Number:** CD0660
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286287
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273715

TPH CWG (S)

Results Legend		Customer Sample Ref.	TPE222	TPE222	TPE229	TPE229	TPE229	TPE229
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	1.00 - 0.00	1.80 - 0.00	0.10 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014	30/04/2014
*	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	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014	01/05/2014
		SDG Ref	140501-62	140501-62	140501-62	140501-62	140501-62	140501-62
(F)	Trigger breach confirmed	Lab Sample No.(s)	9223004	9223087	9222947	9222957	9222970	9222984
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	48	62	43	17	122	119
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	3220 M	2030 #	<44 M	3160 M	25200 M	62200 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 #	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 #	<10 M	21.1 M	23.2 M	89.3 M
Toluene	<2 µg/kg	TM089	<2 M	35.8 #	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	4.48 #	<3 M	21.1 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	8.96 #	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M	14.6 #	<3 M	77 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	23.6	<9	77	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	63.9	<24	119	<24	89.3
Aliphatics >C5-C6	<10 µg/kg	TM089	16.5	<10	<10	171	41.8	95.1
Aliphatics >C6-C8	<10 µg/kg	TM089	2210	337	<10	1140	3180	15400
Aliphatics >C8-C10	<10 µg/kg	TM089	238	321	<10	944	9720	23300
Aliphatics >C10-C12	<10 µg/kg	TM089	352	655	<10	97.1	3460	4680
Aliphatics >C12-C16	<100 µg/kg	TM173	38900	6420	7520	3640	9440	9860
Aliphatics >C16-C21	<100 µg/kg	TM173	242000	26700	64900	6400	1130	1870
Aliphatics >C21-C35	<100 µg/kg	TM173	314000	25800	85100	52600	1860	1820
Aliphatics >C35-C44	<100 µg/kg	TM173	13500	1550	18200	30600	291	196
Total Aliphatics >C12-C44	<100 µg/kg	TM173	609000	60500	176000	93300	12700	13800
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	21.1	23.2	89.3
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	35.8	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	159	242	<10	727	6480	15500
Aromatics >EC10-EC12	<10 µg/kg	TM089	235	437	<10	64.4	2300	3120
Aromatics >EC12-EC16	<100 µg/kg	TM173	12800	4710	4570	1790	4320	3370
Aromatics >EC16-EC21	<100 µg/kg	TM173	157000	25100	36800	3160	1400	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	303000	28600	121000	28100	3640	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	66800	4270	49500	30200	1610	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	24300	1460	18300	12300	227	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	540000	62700	212000	63300	11000	3370
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1150000	125000	387000	160000	48900	79300

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			TPE229	4.10 - 0.00	Soil/Solid	30/04/2014	-	01/05/2014	140501-62	9222991	
GRO Surrogate % recovery**	%	TM089	116								
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	12400 M								
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M								
Benzene	<10 µg/kg	TM089	36.8 M								
Toluene	<2 µg/kg	TM089	<2 M								
Ethylbenzene	<3 µg/kg	TM089	<3 M								
m,p-Xylene	<6 µg/kg	TM089	<6 M								
o-Xylene	<3 µg/kg	TM089	<3 M								
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9								
sum of detected BTEX by GC	<24 µg/kg	TM089	36.8								
Aliphatics >C5-C6	<10 µg/kg	TM089	81.7								
Aliphatics >C6-C8	<10 µg/kg	TM089	3630								
Aliphatics >C8-C10	<10 µg/kg	TM089	4190								
Aliphatics >C10-C12	<10 µg/kg	TM089	968								
Aliphatics >C12-C16	<100 µg/kg	TM173	<100								
Aliphatics >C16-C21	<100 µg/kg	TM173	<100								
Aliphatics >C21-C35	<100 µg/kg	TM173	<100								
Aliphatics >C35-C44	<100 µg/kg	TM173	<100								
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100								
Aromatics >EC5-EC7	<10 µg/kg	TM089	36.8								
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10								
Aromatics >EC8-EC10	<10 µg/kg	TM089	2800								
Aromatics >EC10-EC12	<10 µg/kg	TM089	645								
Aromatics >EC12-EC16	<100 µg/kg	TM173	1290								
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100								
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100								
Aromatics >EC35-EC44	<100 µg/kg	TM173	197								
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100								
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	1480								
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	13800								

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

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	TPE163 0.10 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223072 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE163 1.00 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223076 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE166 0.10 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223036 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE166 0.50 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223049 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE208 0.20 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9222996 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140501-62 **Location:** Coed Darcy **Order Number:** CD0660
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286287
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273715

		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	TPE208 0.80 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223015 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE220 0.20 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223121 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE220 1.00 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223126 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE221 0.10 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223102 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE221 0.40 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223106 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE222 0.10 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9222918 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG: 140501-62 **Location:** Coed Darcy **Order Number:** CD0660
Job: H_ATKINS_LDC-208 **Customer:** Atkins Global Ltd **Report Number:** 286287
Client Reference: TP East **Attention:** Jack Lowrie **Superseded Report:** 273715

		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	TPE222 1.00 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223004 TM048	07/05/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE229 0.10 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9222947 TM048	07/05/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE229 0.80 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9222957 TM048	07/05/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE222 1.00 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9223004 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TPE229 0.10 - 0.00 SOLID 30/04/2014 00:00:00 140501-62 9222947 TM 304	Crocidolite, Amosite (Loose fibres/ACM debris) (#)	N/C	0.0346 (#)	0.0032 (#)	0.0378 (#)

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

Test Completion Dates

Lab Sample No(s)	9223072	9223076	9223094	9223098	9223036	9223049	9223053	9223059	9223068	9222996
Customer Sample Ref.	TPE163	TPE163	TPE163	TPE163	TPE166	TPE166	TPE166	TPE166	TPE166	TPE208
AGS Ref.										
Depth	0.10 - 0.00	1.00 - 0.00	2.00 - 0.00	3.10 - 0.00	0.10 - 0.00	0.50 - 0.00	1.10 - 0.00	2.00 - 0.00	3.40 - 0.00	0.20 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	07-May-2014	07-May-2014			07-May-2014	07-May-2014				07-May-2014
EPH CWG (Aliphatic) GC (S)	06-May-2014	06-May-2014	06-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	06-May-2014	08-May-2014
EPH CWG (Aromatic) GC (S)	06-May-2014	06-May-2014	06-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	07-May-2014	06-May-2014	08-May-2014
GRO by GC-FID (S)	08-May-2014	07-May-2014	08-May-2014	09-May-2014	09-May-2014	09-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014
Metals in solid samples by OES	07-May-2014	07-May-2014	08-May-2014	12-May-2014	12-May-2014	12-May-2014	12-May-2014	07-May-2014	12-May-2014	07-May-2014
PAH by GCMS	08-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014
pH	08-May-2014	08-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014
Sample description	02-May-2014	02-May-2014	02-May-2014	02-May-2014	03-May-2014	03-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014
Total Organic Carbon			07-May-2014			08-May-2014			08-May-2014	
TPH CWG GC (S)	08-May-2014	07-May-2014	08-May-2014	09-May-2014	09-May-2014	09-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014

Lab Sample No(s)	9223015	9223021	9223030	9222924	9222931	9222936	9222944	9223121	9223126	9223102
Customer Sample Ref.	TPE208	TPE208	TPE208	TPE220	TPE220	TPE220	TPE220	TPE220	TPE220	TPE221
AGS Ref.										
Depth	0.80 - 0.00	1.40 - 0.00	2.10 - 0.00	2.10 - 0.00	3.00 - 0.00	4.00 - 0.00	4.90 - 0.00	0.20 - 0.00	1.00 - 0.00	0.10 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	07-May-2014							07-May-2014	07-May-2014	07-May-2014
EPH CWG (Aliphatic) GC (S)	08-May-2014	08-May-2014	08-May-2014	06-May-2014	07-May-2014	07-May-2014	08-May-2014	06-May-2014	06-May-2014	09-May-2014
EPH CWG (Aromatic) GC (S)	08-May-2014	08-May-2014	08-May-2014	06-May-2014	07-May-2014	07-May-2014	08-May-2014	06-May-2014	06-May-2014	09-May-2014
GRO by GC-FID (S)	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	06-May-2014	08-May-2014	08-May-2014	09-May-2014
Metals in solid samples by OES	06-May-2014	12-May-2014	12-May-2014	04-May-2014	09-May-2014	08-May-2014	08-May-2014	06-May-2014	06-May-2014	07-May-2014
PAH by GCMS	08-May-2014	08-May-2014	07-May-2014	06-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	07-May-2014
pH	08-May-2014	07-May-2014	07-May-2014	02-May-2014	07-May-2014	07-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014
Sample description	02-May-2014	02-May-2014	02-May-2014	01-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014
Total Organic Carbon							08-May-2014		08-May-2014	
TPH CWG GC (S)	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	08-May-2014	09-May-2014

Lab Sample No(s)	9223106	9223112	9223117	9222918	9223004	9223087	9222947	9222957	9222970	9222984
Customer Sample Ref.	TPE221	TPE221	TPE221	TPE222	TPE222	TPE222	TPE229	TPE229	TPE229	TPE229
AGS Ref.										
Depth	0.40 - 0.00	1.40 - 0.00	2.10 - 0.00	0.10 - 0.00	1.00 - 0.00	1.80 - 0.00	0.10 - 0.00	0.80 - 0.00	2.00 - 0.00	3.00 - 0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	07-May-2014			07-May-2014	07-May-2014		07-May-2014	07-May-2014		
Asbestos Quantification - Full					17-Jun-2014		17-Jun-2014			
EPH CWG (Aliphatic) GC (S)	08-May-2014	06-May-2014	06-May-2014	06-May-2014	08-May-2014	06-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014
EPH CWG (Aromatic) GC (S)	08-May-2014	06-May-2014	06-May-2014	06-May-2014	08-May-2014	06-May-2014	07-May-2014	08-May-2014	08-May-2014	08-May-2014
GRO by GC-FID (S)	08-May-2014	08-May-2014	08-May-2014	09-May-2014	09-May-2014	08-May-2014	09-May-2014	08-May-2014	08-May-2014	11-May-2014
Metals in solid samples by OES	07-May-2014	04-May-2014	04-May-2014	06-May-2014	07-May-2014	04-May-2014	06-May-2014	06-May-2014	12-May-2014	12-May-2014
PAH by GCMS	07-May-2014	06-May-2014	06-May-2014	08-May-2014	07-May-2014	06-May-2014	08-May-2014	08-May-2014	07-May-2014	08-May-2014
pH	06-May-2014	07-May-2014	02-May-2014	06-May-2014	06-May-2014	02-May-2014	08-May-2014	06-May-2014	07-May-2014	07-May-2014
Sample description	02-May-2014	01-May-2014	01-May-2014	02-May-2014	02-May-2014	01-May-2014	02-May-2014	02-May-2014	02-May-2014	02-May-2014
Total Organic Carbon		07-May-2014				07-May-2014			08-May-2014	
TPH CWG GC (S)	08-May-2014	08-May-2014	08-May-2014	09-May-2014	09-May-2014	08-May-2014	09-May-2014	08-May-2014	08-May-2014	11-May-2014

Lab Sample No(s)	9222991
Customer Sample Ref.	TPE229
AGS Ref.	
Depth	4.10 - 0.00
Type	SOLID
EPH CWG (Aliphatic) GC (S)	07-May-2014
EPH CWG (Aromatic) GC (S)	07-May-2014
GRO by GC-FID (S)	08-May-2014
Metals in solid samples by OES	12-May-2014
PAH by GCMS	08-May-2014
pH	07-May-2014
Sample description	02-May-2014
Total Organic Carbon	08-May-2014
TPH CWG GC (S)	08-May-2014

SDG:	140501-62	**Location:**	Coed Darcy	**Order Number:**	CD0660
Job:	H_ATKINS_LDC-208	**Customer:**	Atkins Global Ltd	**Report Number:**	286287
Client Reference:	TP East	**Attention:**	Jack Lowrie	**Superseded Report:**	273715

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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Llandarcy
SA10 6HJ

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	25 July 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140704-109
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	278130

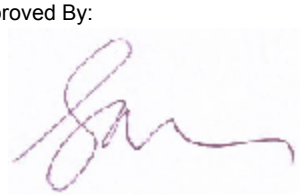
This report has been revised and directly supersedes 277253 in its entirety.

We received 155 samples on Friday July 04, 2014 and 145 of these samples were scheduled for analysis which was completed on Friday July 25, 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:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9562198	442		0.50	
9562199	442		1.50	
9562200	442		2.50	
9562201	443		1.50	
9562202	444		0.50	
9559673	IP017		0.50	02/07/2014
9559677	IP017		1.50	02/07/2014
9559681	IP017		2.90	02/07/2014
9559685	IP017		4.00	02/07/2014
9559660	IP018		0.50	02/07/2014
9559664	IP018		2.00	02/07/2014
9559669	IP018		3.00	02/07/2014
9559647	IP019		0.50	02/07/2014
9559652	IP019		1.50	02/07/2014
9559656	IP019		2.75	02/07/2014
9559625	IP020		0.50	02/07/2014
9559629	IP020		1.50	02/07/2014
9559633	IP020		2.50	02/07/2014
9559637	IP020		3.50	02/07/2014
9559694	IP024		1.50	02/07/2014
9559698	IP024		2.90	02/07/2014
9559702	IP024		4.00	02/07/2014
9559442	IP038		0.60	02/07/2014
9559447	IP039		0.50	02/07/2014
9559452	IP039		1.40	02/07/2014
9559456	IP039		2.00	02/07/2014
9559465	IP040		0.50	02/07/2014
9559470	IP040		1.50	02/07/2014
9559475	IP040		2.50	02/07/2014
9559526	IP044		0.50	02/07/2014
9559531	IP044		1.50	02/07/2014
9559536	IP044		2.50	02/07/2014
9559541	IP045		0.50	02/07/2014
9559545	IP045		1.50	02/07/2014
9559549	IP045		2.50	02/07/2014
9559555	IP047		0.50	02/07/2014
9559559	IP047		1.30	02/07/2014
9559567	IP047		2.10	02/07/2014
9559571	IP055		0.50	02/07/2014
9559575	IP055		1.50	02/07/2014
9559579	IP055		2.20	02/07/2014
9559404	IP075		0.50	02/07/2014
9559408	IP075		1.50	02/07/2014
9559412	IP075		2.50	02/07/2014
9559416	IP076		0.50	02/07/2014
9559421	IP076		1.20	02/07/2014
9559426	IP076		1.50	02/07/2014
9559430	IP076		2.50	02/07/2014
9559607	IP079		0.50	02/07/2014
9559612	IP079		1.50	02/07/2014
9559617	IP079		2.50	02/07/2014
9559621	IP079		3.70	02/07/2014
9559601	IP080		0.50	02/07/2014
9559583	IP081		0.50	02/07/2014
9559587	IP081		1.50	02/07/2014
9559591	IP081		2.50	02/07/2014

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

9559707	IP084	0.50	02/07/2014
9559711	IP084	1.50	02/07/2014
9559715	IP084	3.00	02/07/2014
9559720	IP084	4.00	02/07/2014
9562215	IP087	0.50	02/07/2014
9562216	IP087	1.50	02/07/2014
9562217	IP087	2.80	02/07/2014
9559369	IP097	0.50	02/07/2014
9559373	IP097	1.50	02/07/2014
9559377	IP097	2.50	02/07/2014
9559309	IP099	0.50	02/07/2014
9559313	IP099	1.50	02/07/2014
9559317	IP099	2.00	02/07/2014
9559322	IP099	2.50	02/07/2014
9559279	IP114	0.50	02/07/2014
9559283	IP114	0.90	02/07/2014
9559287	IP114	1.50	02/07/2014
9559295	IP114	2.50	02/07/2014
9559299	IP114	3.50	02/07/2014
9559304	IP114	4.50	02/07/2014
9559381	IP115	0.50	02/07/2014
9559392	IP115	1.50	02/07/2014
9559397	IP115	2.50	02/07/2014
9559353	IP116	0.50	02/07/2014
9559357	IP116	1.50	02/07/2014
9559361	IP116	2.50	02/07/2014
9559365	IP116	3.50	02/07/2014
9562212	IP135	0.50	02/07/2014
9562213	IP135	1.00	02/07/2014
9562214	IP135	1.50	02/07/2014
9559275	IP135	2.50	02/07/2014
9559480	IP141	0.50	02/07/2014
9559484	IP141	1.50	02/07/2014
9559490	IP141	2.60	02/07/2014
9559494	IP142	0.50	02/07/2014
9559499	IP142	1.50	02/07/2014
9559503	IP143	0.50	02/07/2014
9559507	IP143	1.50	02/07/2014
9559516	IP143	2.50	02/07/2014
9559521	IP143	3.30	02/07/2014
9559262	IP154	0.50	02/07/2014
9559266	IP154	1.50	02/07/2014
9559270	IP154	2.10	02/07/2014
9559326	IP156	0.50	02/07/2014
9559330	IP156	1.50	02/07/2014
9559335	IP156	2.50	02/07/2014
9559345	IP156	3.50	02/07/2014
9559349	IP156	4.50	02/07/2014
9559235	IP166	0.50	02/07/2014
9559241	IP166	1.50	02/07/2014
9559245	IP166	2.50	02/07/2014
9559250	IP166	3.50	02/07/2014
9559254	IP166	4.50	02/07/2014
9559724	IP270	0.50	02/07/2014
9559728	IP270	1.50	02/07/2014
9559214	IP273	1.00	02/07/2014
9559228	IP274	1.50	02/07/2014
9559220	IP298	2.50	02/07/2014
9559821	IP299	0.50	02/07/2014

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

9559825	IP299	1.50	02/07/2014
9559829	IP299	2.50	02/07/2014
9559833	IP300	0.50	02/07/2014
9559208	IP300	1.50	02/07/2014
9559738	IP302	0.20	02/07/2014
9559742	IP303	1.00	02/07/2014
9559750	IP304	0.50	02/07/2014
9559754	IP304	1.50	02/07/2014
9559799	IP305	1.50	02/07/2014
9559803	IP305	2.50	02/07/2014
9559807	IP305	3.50	02/07/2014
9559812	IP333	1.50	02/07/2014
9559816	IP333	2.50	02/07/2014
9559781	IP334	0.50	02/07/2014
9559786	IP334	1.50	02/07/2014
9559795	IP334	2.50	02/07/2014
9559760	IP335	0.50	02/07/2014
9559765	IP335	1.50	02/07/2014
9559773	IP335	2.50	02/07/2014
9559746	IP336	0.50	02/07/2014
9559201	IP390	0.50	02/07/2014
9559258	IP390	1.50	02/07/2014
9559194	IP393	0.50	02/07/2014
9559732	IP398	0.50	02/07/2014
9559791	IP398	1.50	02/07/2014
9559291	IP414	0.50	02/07/2014
9559339	IP414	1.50	02/07/2014
9559461	IP415	0.50	02/07/2014
9559511	IP415	1.50	02/07/2014
9559563	IP416	0.50	02/07/2014
9559595	IP416	1.50	02/07/2014
9559643	IP421	0.50	02/07/2014
9559689	IP421	1.50	02/07/2014
9559436	IP443	0.50	02/07/2014
9559386	IP445	0.50	02/07/2014
9562218	NO ID		
9562219	NO ID		
9562197	TP024	0.50	
9562209	TP298	1.50	
9562206	TP298	2.50	

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

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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: 145	9559673	IP017		0.50	250g Amber Jar (AL
			9559677	IP017		1.50	250g Amber Jar (AL
			9559681	IP017		2.90	250g Amber Jar (AL
			9559685	IP017		4.00	250g Amber Jar (AL
			9559660	IP018		0.50	250g Amber Jar (AL
			9559664	IP018		2.00	250g Amber Jar (AL
			9559669	IP018		3.00	250g Amber Jar (AL
			9559647	IP019		0.50	250g Amber Jar (AL
			9559652	IP019		1.50	250g Amber Jar (AL
			9559656	IP019		2.75	250g Amber Jar (AL
			9559625	IP020		0.50	250g Amber Jar (AL
			9559629	IP020		1.50	250g Amber Jar (AL
			9559633	IP020		2.50	250g Amber Jar (AL
			9559637	IP020		3.50	250g Amber Jar (AL
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145	9559673	IP017		0.50	400g Tub (ALE214)
			9559677	IP017		1.50	400g Tub (ALE214)
			9559681	IP017		2.90	400g Tub (ALE214)
			9559685	IP017		4.00	400g Tub (ALE214)
			9559660	IP018		0.50	400g Tub (ALE214)
			9559664	IP018		2.00	400g Tub (ALE214)
			9559669	IP018		3.00	400g Tub (ALE214)
			9559647	IP019		0.50	400g Tub (ALE214)
			9559652	IP019		1.50	400g Tub (ALE214)
			9559656	IP019		2.75	400g Tub (ALE214)
			9559625	IP020		0.50	400g Tub (ALE214)
			9559629	IP020		1.50	400g Tub (ALE214)
			9559633	IP020		2.50	400g Tub (ALE214)
			9559637	IP020		3.50	400g Tub (ALE214)
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145	9559673	IP017		0.50	60g VOC (ALE215)
			9559677	IP017		1.50	60g VOC (ALE215)
			9559681	IP017		2.90	60g VOC (ALE215)
			9559685	IP017		4.00	60g VOC (ALE215)
			9559660	IP018		0.50	60g VOC (ALE215)
			9559664	IP018		2.00	60g VOC (ALE215)
			9559669	IP018		3.00	60g VOC (ALE215)
			9559647	IP019		0.50	60g VOC (ALE215)
			9559652	IP019		1.50	60g VOC (ALE215)
			9559656	IP019		2.75	60g VOC (ALE215)
			9559625	IP020		0.50	60g VOC (ALE215)
			9559629	IP020		1.50	60g VOC (ALE215)
			9559633	IP020		2.50	60g VOC (ALE215)
			9559637	IP020		3.50	60g VOC (ALE215)
Metals in solid samples by OES	All	NDPs: 0 Tests: 145	9559673	IP017		0.50	250g Amber Jar (AL
			9559677	IP017		1.50	250g Amber Jar (AL
			9559681	IP017		2.90	250g Amber Jar (AL
			9559685	IP017		4.00	250g Amber Jar (AL
			9559660	IP018		0.50	250g Amber Jar (AL
			9559664	IP018		2.00	250g Amber Jar (AL
			9559669	IP018		3.00	250g Amber Jar (AL
			9559647	IP019		0.50	250g Amber Jar (AL
			9559652	IP019		1.50	250g Amber Jar (AL
			9559656	IP019		2.75	250g Amber Jar (AL
			9559625	IP020		0.50	250g Amber Jar (AL
			9559629	IP020		1.50	250g Amber Jar (AL
			9559633	IP020		2.50	250g Amber Jar (AL
			9559637	IP020		3.50	250g Amber Jar (AL
PAH by GCMS	All	NDPs: 0 Tests: 145	9559673	IP017		0.50	250g Amber Jar (AL
			9559677	IP017		1.50	250g Amber Jar (AL
			9559681	IP017		2.90	250g Amber Jar (AL
			9559685	IP017		4.00	250g Amber Jar (AL
			9559660	IP018		0.50	250g Amber Jar (AL
			9559664	IP018		2.00	250g Amber Jar (AL
			9559669	IP018		3.00	250g Amber Jar (AL
			9559647	IP019		0.50	250g Amber Jar (AL
			9559652	IP019		1.50	250g Amber Jar (AL
			9559656	IP019		2.75	250g Amber Jar (AL
			9559625	IP020		0.50	250g Amber Jar (AL
			9559629	IP020		1.50	250g Amber Jar (AL
			9559633	IP020		2.50	250g Amber Jar (AL
			9559637	IP020		3.50	250g Amber Jar (AL
pH	All	NDPs: 0 Tests: 145	9559673	IP017		0.50	400g Tub (ALE214)
			9559677	IP017		1.50	400g Tub (ALE214)
			9559681	IP017		2.90	400g Tub (ALE214)
			9559685	IP017		4.00	400g Tub (ALE214)
			9559660	IP018		0.50	400g Tub (ALE214)
			9559664	IP018		2.00	400g Tub (ALE214)
			9559669	IP018		3.00	400g Tub (ALE214)
			9559647	IP019		0.50	400g Tub (ALE214)
			9559652	IP019		1.50	400g Tub (ALE214)
			9559656	IP019		2.75	400g Tub (ALE214)
			9559625	IP020		0.50	400g Tub (ALE214)
			9559629	IP020		1.50	400g Tub (ALE214)
			9559633	IP020		2.50	400g Tub (ALE214)
			9559637	IP020		3.50	400g Tub (ALE214)
Sample description	All	NDPs: 0 Tests: 142	9559673	IP017		0.50	250g Amber Jar (AL
			9559677	IP017		1.50	250g Amber Jar (AL
			9559681	IP017		2.90	250g Amber Jar (AL
			9559685	IP017		4.00	250g Amber Jar (AL
			9559660	IP018		0.50	250g Amber Jar (AL
			9559664	IP018		2.00	250g Amber Jar (AL
			9559669	IP018		3.00	250g Amber Jar (AL
			9559647	IP019		0.50	250g Amber Jar (AL
			9559652	IP019		1.50	250g Amber Jar (AL
			9559656	IP019		2.75	250g Amber Jar (AL
			9559625	IP020		0.50	250g Amber Jar (AL
			9559629	IP020		1.50	250g Amber Jar (AL
			9559633	IP020		2.50	250g Amber Jar (AL
			9559637	IP020		3.50	250g Amber Jar (AL
TPH CWG GC (S)	All	NDPs: 0 Tests: 145	9559673	IP017		0.50	60g VOC (ALE215)
			9559677	IP017		1.50	60g VOC (ALE215)
			9559681	IP017		2.90	60g VOC (ALE215)
			9559685	IP017		4.00	60g VOC (ALE215)
			9559660	IP018		0.50	60g VOC (ALE215)
			9559664	IP018		2.00	60g VOC (ALE215)
			9559669	IP018		3.00	60g VOC (ALE215)
			9559647	IP019		0.50	60g VOC (ALE215)
			9559652	IP019		1.50	60g VOC (ALE215)
			9559656	IP019		2.75	60g VOC (ALE215)
			9559625	IP020		0.50	60g VOC (ALE215)
			9559629	IP020		1.50	60g VOC (ALE215)
			9559633	IP020		2.50	60g VOC (ALE215)
			9559637	IP020		3.50	60g VOC (ALE215)

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9559637		9559694			9559698			9559702			9559442			9559447			9559452			9559456			9559465			9559470			9559475			9559526			9559531			9559536	
Customer Sample Reference			IP020		IP024			IP024			IP024			IP038			IP039			IP039			IP039			IP040			IP040			IP040			IP044			IP044			IP044	
AGS Reference																																										
Depth (m)			3.50		1.50			2.90			4.00			0.60			0.50			1.40			2.00			0.50			1.50			2.50			0.50			1.50			2.50	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23													X			X									X									X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 142			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9559536	9559541			9559545			9559549			9559555			9559559			9559567			9559571			9559575			9559579			9559404			9559408			9559412			9559416		
Customer Sample Reference			IP044	IP045			IP045			IP045			IP047			IP047			IP047			IP055			IP055			IP055			IP075			IP075			IP075			IP076		
AGS Reference																																										
Depth (m)			2.50	0.50			1.50			2.50			0.50			1.30			2.10			0.50			1.50			2.20			0.50			1.50			2.50			0.50		
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23			X									X									X																	X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 142		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 5																															X								
TPH CWG GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			9559421	IP076		1.20	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559426	IP076		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559430	IP076		2.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559607	IP079		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559612	IP079		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559617	IP079		2.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559621	IP079		3.70	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559601	IP080		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559583	IP081		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559587	IP081		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559591	IP081		2.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559707	IP084		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559711	IP084		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			9559715	IP084		3.00	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 145	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 145	X	X	X	X	X
PAH by GCMS	All	NDPs: 0 Tests: 145	X	X	X	X	X
pH	All	NDPs: 0 Tests: 145	X	X	X	X	X
Sample description	All	NDPs: 0 Tests: 142	X	X	X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 145	X	X	X	X	X

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9559715		9559720			9562215			9562216			9562217			9559369			9559373			9559377			9559309			9559313			9559317			9559322			9559279			9559283	
Customer Sample Reference			IP084		IP084			IP087			IP087			IP087			IP097			IP097			IP097			IP099			IP099			IP099			IP099			IP114			IP114	
AGS Reference																																										
Depth (m)			3.00		4.00			0.50			1.50			2.80			0.50			1.50			2.50			0.50			1.50			2.00			2.50			0.50			0.90	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23							X																																	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 142			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 5						X																		X																
TPH CWG GC (S)	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	

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SDG: 140704-109
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0730
Report Number: 278130
Superseded Report: 277253

SOLID

Results Legend

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

SOLID	Lab Sample No(s)		9559283			9559287			9559295			9559299			9559304			9559381			9559392			9559397			9559353			9559357			9559361			9559365			9562212			9562213
	Customer Sample Reference		IP114			IP114			IP114			IP114			IP114			IP115			IP115			IP115			IP116			IP116			IP116			IP116			IP135			IP135
	AGS Reference																																									
	Depth (m)		0.90			1.50			2.50			3.50			4.50			0.50			1.50			2.50			0.50			1.50			2.50			3.50			0.50			1.00
	Container		60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (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: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 142		X			X			X			X			X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		

SDG: 140704-109	**Location:** Coed Darcy	**Order Number:** CD0730	
Job: H_ATKINS_LDC-224	**Customer:** Atkins Global Ltd	**Report Number:** 278130	
Client Reference: Site Wide Trial Pitting	**Attention:** Jack Lowrie	**Superseded Report:** 277253	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9562214			9559275			9559480			9559484			9559490			9559494			9559499			9559503			9559507			9559516			9559521			9559262			9559266			9559270
Customer Sample Reference			IP135			IP135			IP141			IP141			IP141			IP142			IP142			IP143			IP143			IP143			IP143			IP154			IP154			IP154
AGS Reference																																											
Depth (m)			1.50			2.50			0.50			1.50			2.60			0.50			1.50			0.50			1.50			2.50			3.30			0.50			1.50			2.10
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23								X																X																	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 1								X																																	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 142	X			X			X			X			X			X			X			X			X			X			X			X			X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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: 145	9559270	IP154		2.10	400g Tub (ALE214)
			9559326	IP156		0.50	60g VOC (ALE215)
			9559330	IP156		1.50	250g Amber Jar (AL
			9559335	IP156		2.50	400g Tub (ALE214)
			9559345	IP156		3.50	60g VOC (ALE215)
			9559349	IP156		4.50	250g Amber Jar (AL
			9559235	IP166		0.50	400g Tub (ALE214)
			9559241	IP166		1.50	60g VOC (ALE215)
			9559245	IP166		2.50	250g Amber Jar (AL
			9559250	IP166		3.50	400g Tub (ALE214)
			9559254	IP166		4.50	60g VOC (ALE215)
			9559724	IP270		0.50	250g Amber Jar (AL
			9559728	IP270		1.50	400g Tub (ALE214)
			9559214	IP273		1.00	60g VOC (ALE215)
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145					250g Amber Jar (AL
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145					400g Tub (ALE214)
Metals in solid samples by OES	All	NDPs: 0 Tests: 145					60g VOC (ALE215)
PAH by GCMS	All	NDPs: 0 Tests: 145					250g Amber Jar (AL
pH	All	NDPs: 0 Tests: 145					400g Tub (ALE214)
Sample description	All	NDPs: 0 Tests: 142					60g VOC (ALE215)
Total Organic Carbon	All	NDPs: 0 Tests: 5					250g Amber Jar (AL
TPH CWG GC (S)	All	NDPs: 0 Tests: 145					400g Tub (ALE214)

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

SOLID

Results Legend

- X Test
- N No Determination Possible

SOLID																																										
Lab Sample No(s)			9559214			9559228			9559220			9559821			9559825			9559829			9559833			9559208			9559738			9559742			9559750			9559754			9559799			9559803
Customer Sample Reference			IP273			IP274			IP298			IP299			IP299			IP299			IP300			IP300			IP302			IP303			IP304			IP304			IP305			IP305
AGS Reference																																										
Depth (m)			1.00			1.50			2.50			0.50			1.50			2.50			0.50			1.50			0.20			1.00			0.50			1.50			1.50			2.50
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 142		X			X			X			X						X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X			X			X		

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CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

SOLID

Results Legend

- X — Test
- N — No Determination Possible

			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Lab Sample No(s)			9559807			9559812			9559816		9559781			9559786			9559795			9559760			9559765			9559773			9559746			9559201			9559258			9559194			9559732	
Customer Sample Reference			IP305			IP333			IP333		IP334			IP334			IP334			IP335			IP335			IP335			IP336			IP390			IP390			IP393			IP398	
AGS Reference																																										
Depth (m)			3.50			1.50			2.50		0.50			1.50			2.50			0.50			1.50			2.50			0.50			0.50			1.50			0.50			0.50	
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23																															X						X			X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 145	X			X			X		X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145	X			X			X		X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145			X			X		X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 145	X			X			X		X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 145	X			X			X		X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 145		X			X		X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 142	X			X			X		X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 145	X			X			X		X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			9559732			9559791			9559291			9559339			9559461			9559511			9559563			9559595			9559643			9559689			9559436			9559386
Customer Sample Reference			IP398			IP398			IP414			IP414			IP415			IP415			IP416			IP416			IP421			IP421			IP443			IP445
AGS Reference																																					
Depth (m)			0.50			1.50			0.50			1.50			0.50			1.50			0.50			1.50			0.50			1.50			0.50			0.50
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (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: 23						X			X			X						X						X						X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 145	X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 145			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 142		X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 5		X																																
TPH CWG GC (S)	All	NDPs: 0 Tests: 145		X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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
9559673	IP017	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9559677	IP017	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9559681	IP017	2.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559685	IP017	4.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559660	IP018	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9559664	IP018	2.00	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9559669	IP018	3.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
9559647	IP019	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559652	IP019	1.50	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
9559656	IP019	2.75	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9559625	IP020	0.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9559629	IP020	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9559633	IP020	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9559637	IP020	3.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9559694	IP024	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559698	IP024	2.90	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Fibres
9559702	IP024	4.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559442	IP038	0.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559447	IP039	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9559452	IP039	1.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9559456	IP039	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559465	IP040	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9559470	IP040	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559475	IP040	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559526	IP044	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9559531	IP044	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9559536	IP044	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
9559541	IP045	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9559545	IP045	1.50	Dark Brown	Sand	0.1 - 2 mm	Tar	N/A
9559549	IP045	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9559555	IP047	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9559559	IP047	1.30	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9559567	IP047	2.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559571	IP055	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559575	IP055	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559579	IP055	2.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559404	IP075	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559408	IP075	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

			Colour	Description	Grain size	Inclusions	Inclusions 2
9559412	IP075	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9559416	IP076	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9559421	IP076	1.20	Black	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559426	IP076	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559430	IP076	2.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9559607	IP079	0.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9559612	IP079	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559617	IP079	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9559621	IP079	3.70	Dark Brown	Sandy Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9559601	IP080	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559583	IP081	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559587	IP081	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559591	IP081	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559707	IP084	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9559711	IP084	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9559715	IP084	3.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9559720	IP084	4.00	Dark Brown	Stone/Soil	2 - 10 mm	Stones	Oil/Petroleum
9562215	IP087	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9562216	IP087	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9562217	IP087	2.80	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9559369	IP097	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559373	IP097	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Fibres
9559377	IP097	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9559309	IP099	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559313	IP099	1.50	Black	Clay	0.1 - 2 mm	Stones	None
9559317	IP099	2.00	Black	Loamy Sand	0.1 - 2 mm	None	None
9559322	IP099	2.50	Grey	Stone/Soil	2 - 10 mm	None	None
9559279	IP114	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9559283	IP114	0.90	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9559287	IP114	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559295	IP114	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9559299	IP114	3.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559304	IP114	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559381	IP115	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9559392	IP115	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9559397	IP115	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559353	IP116	0.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9559357	IP116	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559361	IP116	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559365	IP116	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559275	IP135	2.50	Dark Brown	Clay	0.063 - 0.1 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

			Colour	Description	Grain size	Inclusions	Inclusions 2
9562212	IP135	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9562213	IP135	1.00	Black	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
9562214	IP135	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559480	IP141	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559484	IP141	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559490	IP141	2.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559494	IP142	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559499	IP142	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559503	IP143	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559507	IP143	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559516	IP143	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559521	IP143	3.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559262	IP154	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	N/A
9559266	IP154	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
9559270	IP154	2.10	Dark Brown	Stone/Soil	> 10 mm	N/A	N/A
9559326	IP156	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9559330	IP156	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9559335	IP156	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559345	IP156	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559349	IP156	4.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559235	IP166	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
9559241	IP166	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559245	IP166	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559250	IP166	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9559254	IP166	4.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559724	IP270	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9559728	IP270	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559214	IP273	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9559228	IP274	1.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	Oil/Petroleum
9559220	IP298	2.50	Light Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
9559821	IP299	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9559825	IP299	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559829	IP299	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9559208	IP300	1.50	Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9559833	IP300	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559738	IP302	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559742	IP303	1.00	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Vegetation	Stones
9559750	IP304	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9559754	IP304	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559799	IP305	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
9559803	IP305	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

			Colour	Description	Grain size	Inclusions	Inclusions 2
9559807	IP305	3.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9559812	IP333	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9559816	IP333	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559781	IP334	0.50	Red	Clay	<0.063 mm	Stones	None
9559786	IP334	1.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559795	IP334	2.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559760	IP335	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559765	IP335	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559773	IP335	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9559746	IP336	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559201	IP390	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9559258	IP390	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9559194	IP393	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9559732	IP398	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9559791	IP398	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9559291	IP414	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9559339	IP414	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9559461	IP415	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9559511	IP415	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9559563	IP416	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9559595	IP416	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9559643	IP421	0.50	Dark Brown	Gravel	> 10 mm	None	None
9559689	IP421	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Oil/Petroleum
9559436	IP443	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9559386	IP445	0.50	Dark Brown	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:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP017	IP017	IP017	IP017	IP018	IP018
			Depth (m)	0.50	1.50	2.90	4.00	0.50	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559673	9559677	9559681	9559685	9559660	9559664
			AGS Reference						
Moisture Content Ratio	%	PM024		4.5	9.1	11	11	8	8.6
pH	1 pH Units	TM133		6.83 M	6.35 M	6.41 M	5.24 M	7.77 M	5.22 M
Arsenic	<0.6 mg/kg	TM181		9.57 M	10 M	7.68 M	8.25 M	14.2 M	8.8 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	1.78 M	0.576 M	0.331 M	0.165 M	0.157 M
Chromium	<0.9 mg/kg	TM181		13.6 M	15.1 M	13 M	14 M	13.3 M	12.5 M
Copper	<1.4 mg/kg	TM181		20.3 M	32.3 M	22.5 M	18.9 M	29.3 M	19.3 M
Lead	<0.7 mg/kg	TM181		31.9 M	37.3 M	19.5 M	16.4 M	35.9 M	17.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.8 M	35.2 M	30.5 M	28.4 M	26.1 M	32.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.3 #	14.6 #	14.2 #	14.9 #	16 #	14.4 #
Zinc	<1.9 mg/kg	TM181		93.3 M	272 M	118 M	114 M	110 M	79.6 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP018	IP019	IP019	IP019	IP020	IP020
			Depth (m)	3.00	0.50	1.50	2.75	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559669	9559647	9559652	9559656	9559625	9559629
			AGS Reference						
Moisture Content Ratio	%	PM024		12	6.5	7.9	9.1	8.8	7.3
pH	1 pH Units	TM133		5.4 M	6.97 M	6.46 M	6.37 M	7.51 M	7.58 M
Arsenic	<0.6 mg/kg	TM181		7.23 M	11 M	9.39 M	9.76 M	20.5 M	12.5 M
Cadmium	<0.02 mg/kg	TM181		0.082 M	<0.02 M	<0.02 M	0.0624 M	0.439 M	0.134 M
Chromium	<0.9 mg/kg	TM181		14.6 M	14.8 M	13.5 M	16.8 M	19.8 M	17.5 M
Copper	<1.4 mg/kg	TM181		19.7 M	18.3 M	15.8 M	22.5 M	26.8 M	23 M
Lead	<0.7 mg/kg	TM181		16.8 M	34.2 M	13.1 M	18.4 M	184 M	123 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.9 M	27.5 M	22.4 M	27.4 M	29.4 M	29.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		23.7 #	14.9 #	12.9 #	15.7 #	18.7 #	18.8 #
Zinc	<1.9 mg/kg	TM181		75.3 M	99.3 M	72.4 M	127 M	114 M	112 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP020	IP020	IP024	IP024	IP024	IP038
			Depth (m)	2.50	3.50	1.50	2.90	4.00	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559633	9559637	9559694	9559698	9559702	9559442
			AGS Reference						
Moisture Content Ratio	%	PM024		8.3	7.6	10	9.6	13	10
pH	1 pH Units	TM133		7.15 M	7.25 M	6.95 M	6.35 M	6.11 M	6.99 M
Arsenic	<0.6 mg/kg	TM181		10.9 M	10.5 M	9.74 M	13 M	10.4 M	9.1 M
Cadmium	<0.02 mg/kg	TM181		0.0654 M	<0.02 M	0.108 M	0.586 M	0.2 M	0.542 M
Chromium	<0.9 mg/kg	TM181		12.5 M	12.7 M	12.3 M	11 M	12.9 M	14.4 M
Copper	<1.4 mg/kg	TM181		15.8 M	14.1 M	16.3 M	49 M	27.9 M	16.8 M
Lead	<0.7 mg/kg	TM181		24.3 M	20.7 M	14.3 M	40 M	21.8 M	31.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	0.386 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.2 M	24.7 M	24.3 M	25.7 M	27.6 M	33.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.3 #	14.4 #	15.2 #	17.8 #	15.4 #	16 #
Zinc	<1.9 mg/kg	TM181		72 M	84.3 M	74.7 M	117 M	91.6 M	85 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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

Component	LOD/Units	Method	Customer Sample R	IP039	IP039	IP039	IP040	IP040	IP040
			Depth (m)	0.50	1.40	2.00	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559447	9559452	9559456	9559465	9559470	9559475
			AGS Reference						
Moisture Content Ratio	%	PM024		9	18	11	9.5	11	11
pH	1 pH Units	TM133		7.23 M	7.68 M	6.5 M	7.48 M	6.33 M	6.7 M
Arsenic	<0.6 mg/kg	TM181		18.5 M	20.5 M	9.78 M	19.8 M	14.1 M	11.3 M
Cadmium	<0.02 mg/kg	TM181		0.679 M	2.47 M	0.429 M	1.2 M	0.0991 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		14.6 M	42.7 M	14.9 M	27.5 M	21.1 M	15.1 M
Copper	<1.4 mg/kg	TM181		30.2 M	51.8 M	20.1 M	37.9 M	21.6 M	20.2 M
Lead	<0.7 mg/kg	TM181		57.5 M	927 M	70 M	425 M	418 M	46 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.174 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.7 M	48.4 M	28.2 M	31 M	30.2 M	29.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.6 #	21.9 #	15.1 #	20.5 #	15.9 #	16.4 #
Zinc	<1.9 mg/kg	TM181		112 M	423 M	96.6 M	238 M	155 M	88.8 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP044	IP044	IP044	IP045	IP045	IP045
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559526	9559531	9559536	9559541	9559545	9559549
			AGS Reference						
Moisture Content Ratio	%	PM024		8.7	10	9.9	17	9.2	10
pH	1 pH Units	TM133		6.97 M	6.38 M	5.95 M	5.66 M	7.27 M	6.52 M
Arsenic	<0.6 mg/kg	TM181		23.6 M	11.7 M	10.9 M	22.8 M	10.7 M	9.33 M
Cadmium	<0.02 mg/kg	TM181		0.59 M	<0.02 M	<0.02 M	1.11 M	0.0653 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		13.2 M	12.8 M	12.1 M	16.8 M	19 M	12.2 M
Copper	<1.4 mg/kg	TM181		32 M	13.3 M	12.8 M	148 M	17 M	17.1 M
Lead	<0.7 mg/kg	TM181		36.7 M	15.4 M	12.6 M	102 M	145 M	15.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	1.99 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.7 M	25.6 M	24.4 M	30.3 M	26.1 M	23.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.25 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.4 #	15.7 #	14.3 #	30.8 #	14.7 #	13.7 #
Zinc	<1.9 mg/kg	TM181		116 M	72.2 M	68.1 M	295 M	120 M	75.4 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP047	IP047	IP047	IP055	IP055	IP055
			Depth (m)	0.50	1.30	2.10	0.50	1.50	2.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559555	9559559	9559567	9559571	9559575	9559579
			AGS Reference						
Moisture Content Ratio	%	PM024		7.7	8.8	10	7.7	10	10
pH	1 pH Units	TM133		6.95 M	6.56 M	6.36 M	7.71 M	6.54 M	6.52 M
Arsenic	<0.6 mg/kg	TM181		11.9 M	12 M	10.1 M	16.9 M	12.1 M	9.82 M
Cadmium	<0.02 mg/kg	TM181		0.545 M	<0.02 M	<0.02 M	0.599 M	<0.02 M	0.0727 M
Chromium	<0.9 mg/kg	TM181		13 M	14 M	14 M	15.4 M	12.1 M	12.9 M
Copper	<1.4 mg/kg	TM181		20.3 M	25.5 M	19.2 M	33.1 M	14.1 M	14.3 M
Lead	<0.7 mg/kg	TM181		22.1 M	20 M	15.3 M	87.1 M	13.8 M	21.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.2 M	25.3 M	32 M	25 M	25.9 M	25.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.01 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15 #	16.6 #	15.8 #	19.3 #	15.2 #	14.8 #
Zinc	<1.9 mg/kg	TM181		84.6 M	83.5 M	84.6 M	112 M	68.6 M	69.8 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP075	IP075	IP075	IP076	IP076	IP076
			Depth (m)	0.50	1.50	2.50	0.50	1.20	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559404	9559408	9559412	9559416	9559421	9559426
			AGS Reference						
Moisture Content Ratio	%	PM024		9.2	9.3	8.7	10	16	8
Soil Organic Matter (SOM)	<0.35 %	TM132			2.29 #				
pH	1 pH Units	TM133		6.87 M	5.49 M	6.43 M	6.82 M	7.24 M	7.21 M
Arsenic	<0.6 mg/kg	TM181		12.5 M	6.81 M	7.99 M	15.9 M	16.9 M	9.9 M
Cadmium	<0.02 mg/kg	TM181		0.693 M	0.0871 M	0.133 M	0.816 M	1.56 M	0.0839 M
Chromium	<0.9 mg/kg	TM181		10.4 M	10.4 M	14.5 M	15.1 M	14.1 M	13.3 M
Copper	<1.4 mg/kg	TM181		<14 M	12.9 M	23.6 M	31.2 M	32.5 M	13.9 M
Lead	<0.7 mg/kg	TM181		17.1 M	11.2 M	16.7 M	47.6 M	40.2 M	15.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.8 M	23.1 M	34.6 M	24.2 M	32.5 M	25.5 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	<1 #	1.09 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		10.3 #	11.6 #	15.2 #	18.8 #	27.1 #	15.6 #
Zinc	<1.9 mg/kg	TM181		67.1 M	57.6 M	88.2 M	110 M	235 M	79.8 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP076	IP079	IP079	IP079	IP079	IP080
			Depth (m)	2.50	0.50	1.50	2.50	3.70	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559430	9559607	9559612	9559617	9559621	9559601
			AGS Reference						
Moisture Content Ratio	%	PM024		12	11	10	10	10	10
pH	1 pH Units	TM133		6.64 #	7.51 M	7.33 M	6.26 M	6.24 M	7.43 M
Arsenic	<0.6 mg/kg	TM181		8.26 #	13.3 M	19.5 M	11.5 M	14.9 M	22 M
Cadmium	<0.02 mg/kg	TM181		0.224 #	0.377 M	0.221 M	<0.02 M	0.424 M	1.33 M
Chromium	<0.9 mg/kg	TM181		16.5 #	14.3 M	24.8 M	13.5 M	15 M	18.1 M
Copper	<1.4 mg/kg	TM181		24.4 #	23.6 M	34.4 M	15.1 M	18.6 M	63.5 M
Lead	<0.7 mg/kg	TM181		17 #	63 M	323 M	18.5 M	21.2 M	200 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 M	0.463 M	<0.14 M	<0.14 M	0.267 M
Nickel	<0.2 mg/kg	TM181		56.9 #	25.3 M	28.8 M	27.1 M	31.8 M	23.9 M
Selenium	<1 mg/kg	TM181		<1 #	1.16 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.2 #	16.8 #	18.4 #	15.6 #	18.6 #	20.8 #
Zinc	<1.9 mg/kg	TM181		118 #	89.4 M	158 M	86.4 M	99.6 M	180 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP081	IP081	IP081	IP084	IP084	IP084
			Depth (m)	0.50	1.50	2.50	0.50	1.50	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559583	9559587	9559591	9559707	9559711	9559715
			AGS Reference						
Moisture Content Ratio	%	PM024		16	14	11	18	27	11
pH	1 pH Units	TM133		6.58 M	6.44 M	6.25 M	7.13 M	7.58 M	6.32 M
Arsenic	<0.6 mg/kg	TM181		8.34 M	8.85 M	12.9 M	24.7 M	23.4 M	12 M
Cadmium	<0.02 mg/kg	TM181		0.623 M	0.281 M	<0.02 M	0.924 M	0.943 M	0.17 M
Chromium	<0.9 mg/kg	TM181		14.5 M	14.2 M	14.4 M	28.4 M	17.9 M	13.8 M
Copper	<1.4 mg/kg	TM181		14.1 M	19.1 M	17.4 M	132 M	150 M	17.4 M
Lead	<0.7 mg/kg	TM181		15.8 M	17 M	17.4 M	238 M	95.1 M	39.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	1.55 M	1.98 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		13.7 M	20 M	27.2 M	26.6 M	26.3 M	26.2 M
Selenium	<1 mg/kg	TM181		1.18 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.8 #	17.6 #	17.1 #	30 #	30.4 #	15.2 #
Zinc	<1.9 mg/kg	TM181		93.8 M	75.2 M	75.2 M	305 M	274 M	95.7 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP084	IP087	IP087	IP087	IP097	IP097
			Depth (m)	4.00	0.50	1.50	2.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559720	9562215	9562216	9562217	9559369	9559373
			AGS Reference						
Moisture Content Ratio	%	PM024		13	16	15	12	17	13
Soil Organic Matter (SOM)	<0.35 %	TM132			1.91 #				
pH	1 pH Units	TM133		6.58 #	6.46 M	6.07 M	6.23 M	6.86 M	7.64 M
Arsenic	<0.6 mg/kg	TM181		11 #	8.47 M	8.42 M	11.3 M	22.4 M	21.2 M
Cadmium	<0.02 mg/kg	TM181		0.371 #	0.709 M	0.219 M	0.206 M	0.79 M	1.33 M
Chromium	<0.9 mg/kg	TM181		15.7 #	14.7 M	15.3 M	13.5 M	15.4 M	23.2 M
Copper	<1.4 mg/kg	TM181		18.2 #	29.3 M	19.9 M	17.2 M	42.5 M	41.8 M
Lead	<0.7 mg/kg	TM181		20.2 #	15.1 M	13.9 M	14.9 M	57.8 M	252 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 M	<0.14 M	<0.14 M	<0.14 M	0.165 M
Nickel	<0.2 mg/kg	TM181		34.3 #	14.2 M	19.4 M	22.6 M	21 M	27.9 M
Selenium	<1 mg/kg	TM181		1.7 #	1.02 #	<1 #	<1 #	<1 #	1.29 #
Vanadium	<0.2 mg/kg	TM181		19.9 #	20.7 #	18.9 #	15.8 #	19.5 #	20.4 #
Zinc	<1.9 mg/kg	TM181		80.7 #	88.3 M	75.2 M	63.2 M	132 M	231 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP097	IP099	IP099	IP099	IP099	IP114
			Depth (m)	2.50	0.50	1.50	2.00	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559377	9559309	9559313	9559317	9559322	9559279
			AGS Reference						
Moisture Content Ratio	%	PM024		9.8	11	12	18	16	25
Soil Organic Matter (SOM)	<0.35 %	TM132			4.4 #				
pH	1 pH Units	TM133		6.1 M	6.21 M	5.98 M	5.91 M	5.04 #	7.51 M
Arsenic	<0.6 mg/kg	TM181		10.3 M	22.2 M	4.75 M	3.73 M	10.4 #	22.1 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.566 M	0.118 M	0.389 M	0.442 #	1.2 M
Chromium	<0.9 mg/kg	TM181		13.2 M	15 M	14.2 M	8.96 M	18.6 #	18.9 M
Copper	<1.4 mg/kg	TM181		19.1 M	40.2 M	31.8 M	18.3 M	25.4 #	181 M
Lead	<0.7 mg/kg	TM181		17.1 M	42.3 M	31.7 M	12.7 M	25.3 #	93.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 #	2.53 M
Nickel	<0.2 mg/kg	TM181		35.8 M	23.6 M	41.4 M	61.9 M	58.2 #	29.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	1.37 #
Vanadium	<0.2 mg/kg	TM181		15.2 #	19.5 #	15.8 #	9.48 #	20 #	35 #
Zinc	<1.9 mg/kg	TM181		80 M	116 M	94.4 M	60.3 M	121 #	287 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP114	IP114	IP114	IP114	IP114	IP115
			Depth (m)	0.90	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	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559283	9559287	9559295	9559299	9559304	9559381
			AGS Reference						
Moisture Content Ratio	%	PM024		16	15	10	10	7.8	12
pH	1 pH Units	TM133		6.07 M	5.97 M	6.18 M	6.55 M	6.67 M	6.67 M
Arsenic	<0.6 mg/kg	TM181		28 M	8.96 M	9.64 M	10.1 M	12.8 M	10.6 M
Cadmium	<0.02 mg/kg	TM181		1.12 M	0.341 M	<0.02 M	<0.02 M	<0.02 M	0.0602 M
Chromium	<0.9 mg/kg	TM181		21.6 M	21 M	12.6 M	13.3 M	16.5 M	14.9 M
Copper	<1.4 mg/kg	TM181		166 M	14.9 M	14.9 M	16.6 M	27 M	13.5 M
Lead	<0.7 mg/kg	TM181		101 M	16.3 M	13.8 M	14.4 M	20 M	14.1 M
Mercury	<0.14 mg/kg	TM181		2.82 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		33.5 M	20.1 M	22.4 M	23.5 M	39.2 M	21 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		33 #	25.3 #	15.3 #	16 #	16.1 #	18 #
Zinc	<1.9 mg/kg	TM181		320 M	79.2 M	68.7 M	65.7 M	107 M	78.9 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP115	IP115	IP116	IP116	IP116	IP116
			Depth (m)	1.50	2.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559392	9559397	9559353	9559357	9559361	9559365
			AGS Reference						
Moisture Content Ratio	%	PM024		11	9.9	15	8.4	9.4	9.6
pH	1 pH Units	TM133		6.66 M	6.64 M	6.36 M	7.09 M	6.07 M	6.7 M
Arsenic	<0.6 mg/kg	TM181		8.67 M	7.21 M	26.8 M	9.03 M	8.15 M	7.37 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.0312 M	0.642 M	1.1 M	0.146 M	0.101 M
Chromium	<0.9 mg/kg	TM181		11.6 M	11.8 M	16 M	23.6 M	11.6 M	11.7 M
Copper	<1.4 mg/kg	TM181		13.6 M	14.2 M	55.4 M	24.8 M	15.5 M	14.3 M
Lead	<0.7 mg/kg	TM181		12.6 M	12.8 M	50.1 M	18.8 M	12.9 M	12.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.7 M	24 M	22.2 M	27.9 M	26 M	26.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.5 #	13 #	20.9 #	14.4 #	12.4 #	13.8 #
Zinc	<1.9 mg/kg	TM181		66.7 M	64.6 M	112 M	305 M	65.7 M	62.6 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP135	IP135	IP135	IP135	IP141	IP141
			Depth (m)	0.50	1.00	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9562212	9562213	9562214	9559275	9559480	9559484
			AGS Reference						
Moisture Content Ratio	%	PM024		27	13	14	12	9.5	8.8
pH	1 pH Units	TM133		6.59 M	6.13 M	5.76 M	5.6 M	7.09 M	6.95 M
Arsenic	<0.6 mg/kg	TM181		21 M	21 M	18.6 M	16.5 M	23 M	13.1 M
Cadmium	<0.02 mg/kg	TM181		0.862 M	1.27 M	0.287 M	0.261 M	1.08 M	0.405 M
Chromium	<0.9 mg/kg	TM181		16.7 M	16.3 M	14.8 M	13.9 M	18.9 M	13.3 M
Copper	<1.4 mg/kg	TM181		152 M	192 M	38.4 M	29.1 M	44.6 M	<14 M
Lead	<0.7 mg/kg	TM181		88.3 M	86.5 M	39.4 M	19.2 M	266 M	14.6 M
Mercury	<0.14 mg/kg	TM181		2.25 M	2.37 M	0.37 M	<0.14 M	0.536 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.3 M	28.6 M	24 M	19.8 M	28.2 M	32 M
Selenium	<1 mg/kg	TM181		1.09 #	1.23 #	1.07 #	<1 #	<1 #	<10 #
Vanadium	<0.2 mg/kg	TM181		31.6 #	34.5 #	18 #	15.7 #	18.7 #	15.6 #
Zinc	<1.9 mg/kg	TM181		250 M	338 M	92.7 M	67.3 M	208 M	89.5 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP141	IP142	IP142	IP143	IP143	IP143
			Depth (m)	2.60	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559490	9559494	9559499	9559503	9559507	9559516
			AGS Reference						
Moisture Content Ratio	%	PM024		10	11	8.2	9	8.7	9.7
pH	1 pH Units	TM133		6.15 M	6.84 M	7.02 M	7.98 M	6.67 M	6.49 M
Arsenic	<0.6 mg/kg	TM181		10.4 M	13 M	10.8 M	21 M	11.4 M	9.83 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	0.916 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		13.4 M	15 M	13.1 M	25.8 M	12.5 M	12.6 M
Copper	<1.4 mg/kg	TM181		14.6 M	24.8 M	14.9 M	39.2 M	15.5 M	14.9 M
Lead	<0.7 mg/kg	TM181		16.6 M	66.3 M	17.1 M	309 M	46.6 M	24.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.6 M	24.2 M	26.7 M	33 M	24.8 M	23.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.3 #	16 #	15.2 #	17.5 #	13.9 #	14.3 #
Zinc	<1.9 mg/kg	TM181		79.6 M	105 M	91.2 M	225 M	73.6 M	77.8 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP143	IP154	IP154	IP154	IP156	IP156
			Depth (m)	3.30	0.50	1.50	2.10	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559521	9559262	9559266	9559270	9559326	9559330
			AGS Reference						
Moisture Content Ratio	%	PM024		10	18	14	10	12	13
pH	1 pH Units	TM133		6.43 M	7.14 M	6.42 M	6.94 #	5.98 M	6.81 M
Arsenic	<0.6 mg/kg	TM181		9.45 M	23.3 M	20.7 M	15.8 #	20.3 M	30.7 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	1.39 M	0.0752 M	0.348 #	0.397 M	0.483 M
Chromium	<0.9 mg/kg	TM181		11.7 M	20.4 M	15.2 M	14.3 #	15.7 M	15.8 M
Copper	<1.4 mg/kg	TM181		13.4 M	205 M	31.6 M	34.4 #	38.2 M	57.9 M
Lead	<0.7 mg/kg	TM181		14.9 M	117 M	20.9 M	20.5 #	26.1 M	34.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	2.97 M	<0.14 M	<0.14 #	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		28.8 M	32.7 M	21.1 M	28.1 #	23.4 M	21.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14 #	39.4 #	19.9 #	15.5 #	20.7 #	20.6 #
Zinc	<1.9 mg/kg	TM181		70.6 M	440 M	91.5 M	156 #	92.2 M	98.2 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP156	IP156	IP156	IP166	IP166	IP166
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559335	9559345	9559349	9559235	9559241	9559245
			AGS Reference						
Moisture Content Ratio	%	PM024		7.1	12	11	16	14	12
pH	1 pH Units	TM133		6.78 M	6.92 M	6.76 M	6.32 M	6.47 M	6.31 M
Arsenic	<0.6 mg/kg	TM181		9.04 M	9.56 M	9.38 M	20.5 M	13.1 M	22.7 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.154 M	0.144 M	0.386 M	0.427 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		12.6 M	11.2 M	12.2 M	15.3 M	15 M	16 M
Copper	<1.4 mg/kg	TM181		11.5 M	15.3 M	15.8 M	37.4 M	23.8 M	41.9 M
Lead	<0.7 mg/kg	TM181		12 M	13.9 M	13.2 M	20.6 M	17.1 M	24.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.8 M	25.1 M	27.8 M	21.2 M	19.9 M	23.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.3 #	12.5 #	13.5 #	19.2 #	18.6 #	20 #
Zinc	<1.9 mg/kg	TM181		62.6 M	65.3 M	71.3 M	94.4 M	67.2 M	81 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP166	IP166	IP270	IP270	IP273	IP274
			Depth (m)	3.50	4.50	0.50	1.50	1.00	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559250	9559254	9559724	9559728	9559214	9559228
			AGS Reference						
Moisture Content Ratio	%	PM024		15	10	7.4	8	13	11
Soil Organic Matter (SOM)	<0.35 %	TM132						2.17 #	
pH	1 pH Units	TM133		6.01 M	6.6 M	6.28 M	5.52 M	5.93 M	6.59 #
Arsenic	<0.6 mg/kg	TM181		13.9 M	11.2 M	6.54 M	8.75 M	19.4 M	12.3 #
Cadmium	<0.02 mg/kg	TM181		0.369 M	<0.02 M	0.216 M	0.134 M	0.776 M	0.284 #
Chromium	<0.9 mg/kg	TM181		17.5 M	13.6 M	13.9 M	15.4 M	17.4 M	16.7 #
Copper	<1.4 mg/kg	TM181		52.6 M	16.1 M	12.3 M	15.3 M	56.5 M	22 #
Lead	<0.7 mg/kg	TM181		54.2 M	15.1 M	24.8 M	21 M	70.4 M	68.9 #
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		24.1 M	23 M	24.5 M	29 M	32.7 M	45 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Vanadium	<0.2 mg/kg	TM181		21.6 #	16.2 #	13.2 #	14.6 #	18 #	15.9 #
Zinc	<1.9 mg/kg	TM181		153 M	65.9 M	120 M	83.5 M	194 M	210 #

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP298	IP299	IP299	IP299	IP300	IP300
			Depth (m)	2.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559220	9559821	9559825	9559829	9559833	9559208
			AGS Reference						
Moisture Content Ratio	%	PM024		15	13	13	15	12	12
pH	1 pH Units	TM133		6.41 M	6.41 M	6.46 M	6.53 M	5.91 M	5.4 M
Arsenic	<0.6 mg/kg	TM181		18.2 M	29.3 M	11.1 M	11 M	35.3 M	10.4 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.428 M	0.11 M	0.116 M	1.47 M	0.124 M
Chromium	<0.9 mg/kg	TM181		16.2 M	15.8 M	15.2 M	14.3 M	15.1 M	15.2 M
Copper	<1.4 mg/kg	TM181		32.7 M	54.7 M	17.6 M	14.6 M	85.7 M	15.4 M
Lead	<0.7 mg/kg	TM181		21.8 M	24.4 M	15.1 M	15.4 M	47.4 M	15.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.2 M	21.9 M	19.2 M	13.1 M	28 M	29.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.13 #	1.6 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.5 #	23.7 #	19.8 #	21 #	19.7 #	14.9 #
Zinc	<1.9 mg/kg	TM181		102 M	103 M	68.5 M	55.9 M	197 M	74.9 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP302	IP303	IP304	IP304	IP305	IP305
			Depth (m)	0.20	1.00	0.50	1.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559738	9559742	9559750	9559754	9559799	9559803
			AGS Reference						
Moisture Content Ratio	%	PM024		5.7	6.4	12	14	15	18
pH	1 pH Units	TM133		6.55 M	6.36 M	6.81 M	5.4 M	6 M	6.59 M
Arsenic	<0.6 mg/kg	TM181		51.1 M	9.21 M	27 M	34.7 M	14.5 M	26.1 M
Cadmium	<0.02 mg/kg	TM181		3.33 M	<0.02 M	1.07 M	1.59 M	0.334 M	1.14 M
Chromium	<0.9 mg/kg	TM181		21.1 M	38.5 M	19.2 M	16.8 M	15.3 M	15.3 M
Copper	<1.4 mg/kg	TM181		1250 M	53.8 M	172 M	85 M	32.5 M	69.7 M
Lead	<0.7 mg/kg	TM181		3870 M	967 M	99.9 M	44.3 M	19.6 M	32.9 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		98.5 M	51.7 M	35.6 M	37.7 M	21 M	17 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.8 #	24.9 #	19.1 #	21.2 #	18.7 #	21.8 #
Zinc	<1.9 mg/kg	TM181		8450 M	1050 M	703 M	282 M	85 M	150 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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

Component	LOD/Units	Method	Customer Sample R	IP305	IP333	IP333	IP334	IP334	IP334
			Depth (m)	3.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559807	9559812	9559816	9559781	9559786	9559795
			AGS Reference						
Moisture Content Ratio	%	PM024		16	13	12	13	14	11
pH	1 pH Units	TM133		5.93 M	6.63 M	6.62 M	6.67 M	6.34 M	6.36 M
Arsenic	<0.6 mg/kg	TM181		34.1 M	33.5 M	10.1 M	7.26 M	14.5 M	10.5 M
Cadmium	<0.02 mg/kg	TM181		1.06 M	1.13 M	0.0715 M	0.0633 M	0.432 M	0.254 M
Chromium	<0.9 mg/kg	TM181		15.2 M	15.3 M	16.1 M	12.4 M	14.2 M	14.1 M
Copper	<1.4 mg/kg	TM181		72.3 M	71.4 M	17.3 M	7.02 M	30.3 M	17.7 M
Lead	<0.7 mg/kg	TM181		26.8 M	36.4 M	14.3 M	12 M	22.7 M	15.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.8 M	24.7 M	25.8 M	7.46 M	22.3 M	25.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.3 #	18.8 #	18.2 #	21 #	16.6 #	14.8 #
Zinc	<1.9 mg/kg	TM181		149 M	151 M	72.6 M	37.6 M	103 M	89.1 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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

Component	LOD/Units	Method	Customer Sample R	IP335	IP335	IP335	IP336	IP390	IP390
			Depth (m)	0.50	1.50	2.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559760	9559765	9559773	9559746	9559201	9559258
			AGS Reference						
Moisture Content Ratio	%	PM024		15	14	10	5.8	4.3	6.8
pH	1 pH Units	TM133		6.17 M	5.7 M	6.45 M	6.65 M	7.29 M	7.15 M
Arsenic	<0.6 mg/kg	TM181		13.2 M	52.3 M	14.3 M	7.63 M	9.62 M	15.9 M
Cadmium	<0.02 mg/kg	TM181		0.207 M	2.32 M	0.438 M	<0.02 M	0.235 M	<0.2 M
Chromium	<0.9 mg/kg	TM181		16.2 M	14.6 M	21.8 M	13.9 M	11.1 M	14.9 M
Copper	<1.4 mg/kg	TM181		22.6 M	145 M	33.9 M	12.4 M	9.98 M	16.8 M
Lead	<0.7 mg/kg	TM181		18.6 M	69.4 M	142 M	12.9 M	11.3 M	16.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		19.4 M	25.1 M	48.9 M	24.9 M	20.9 M	26.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<10 #	<1 #	<1 #	<10 #
Vanadium	<0.2 mg/kg	TM181		21.2 #	19.4 #	23.1 #	13.9 #	14.1 #	18.8 #
Zinc	<1.9 mg/kg	TM181		85 M	238 M	375 M	64.5 M	52.6 M	82 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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

Component	LOD/Units	Method	Customer Sample R	IP393	IP398	IP398	IP414	IP414	IP415
			Depth (m)	0.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559194	9559732	9559791	9559291	9559339	9559461
			AGS Reference						
Moisture Content Ratio	%	PM024		9.1	4.8	11	7.2	9.4	5.1
Soil Organic Matter (SOM)	<0.35 %	TM132				1.54 #			
pH	1 pH Units	TM133		8.19 M	7.61 M	7.15 M	7.45 M	7.3 M	6.97 M
Arsenic	<0.6 mg/kg	TM181		10.6 M	21.8 M	19.1 M	17.9 M	8.85 M	9.4 M
Cadmium	<0.02 mg/kg	TM181		0.59 M	1.03 M	0.206 M	0.664 M	0.227 M	0.411 M
Chromium	<0.9 mg/kg	TM181		16.9 M	12 M	14.1 M	13.7 M	15 M	9.98 M
Copper	<1.4 mg/kg	TM181		15.4 M	40.3 M	18.1 M	15.4 M	10.9 M	13.3 M
Lead	<0.7 mg/kg	TM181		263 M	28.8 M	15.5 M	15.3 M	13.3 M	28.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25 M	21.4 M	22.3 M	23.7 M	22.4 M	19 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<10 #	1.07 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.4 #	14.5 #	17.5 #	15.9 #	19.5 #	12.7 #
Zinc	<1.9 mg/kg	TM181		83 M	111 M	75.7 M	70.5 M	60.4 M	64 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP415	IP416	IP416	IP421	IP421	IP443
			Depth (m)	1.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559511	9559563	9559595	9559643	9559689	9559436
			AGS Reference						
Moisture Content Ratio	%	PM024		11	7.7	9.2	6.3	11	11
pH	1 pH Units	TM133		5.61 M	7.98 M	6.49 M	8.43 #	7.1 M	7.12 M
Arsenic	<0.6 mg/kg	TM181		10.1 M	14.6 M	9.54 M	26.5 #	22 M	42.2 M
Cadmium	<0.02 mg/kg	TM181		0.13 M	0.603 M	0.157 M	0.883 #	0.217 M	1.14 M
Chromium	<0.9 mg/kg	TM181		14.5 M	14.2 M	12.3 M	13 #	14 M	13.4 M
Copper	<1.4 mg/kg	TM181		17.1 M	25.5 M	15 M	47.1 #	53.5 M	78.1 M
Lead	<0.7 mg/kg	TM181		73 M	35.8 M	24.3 M	29.4 #	27.5 M	46.3 M
Mercury	<0.14 mg/kg	TM181		0.217 M	4.39 M	5.37 M	<0.14 #	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.1 M	25.7 M	21.6 M	21 #	26 M	19.1 M
Selenium	<1 mg/kg	TM181		<1 #	1.15 #	<1 #	1.4 #	<1 #	1.12 #
Vanadium	<0.2 mg/kg	TM181		15.8 #	15.9 #	14.3 #	17.6 #	15.8 #	19.4 #
Zinc	<1.9 mg/kg	TM181		76.6 M	101 M	73.6 M	115 #	107 M	126 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Results Legend

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

Component	LOD/Units	Method	Customer Sample R: IP445
			Depth (m): 0.50
			Sample Type: Soil/Solid
			Date Sampled: 02/07/2014
			Sample Time: .
			Date Received: 04/07/2014
			SDG Ref: 140704-109
			Lab Sample No.(s): 9559386
			AGS Reference:
Moisture Content Ratio	%	PM024	4.2
pH	1 pH Units	TM133	7.69 M
Arsenic	<0.6 mg/kg	TM181	14.6 M
Cadmium	<0.02 mg/kg	TM181	0.447 M
Chromium	<0.9 mg/kg	TM181	14.2 M
Copper	<1.4 mg/kg	TM181	21.2 M
Lead	<0.7 mg/kg	TM181	16 M
Mercury	<0.14 mg/kg	TM181	<0.14 M
Nickel	<0.2 mg/kg	TM181	27 M
Selenium	<1 mg/kg	TM181	1.27 #
Vanadium	<0.2 mg/kg	TM181	16.7 #
Zinc	<1.9 mg/kg	TM181	82.3 M

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP017	IP017	IP017	IP017	IP018	IP018
			Depth (m)	0.50	1.50	2.90	4.00	0.50	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559673	9559677	9559681	9559685	9559660	9559664
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		91.2	92.2	94	93.2	98.7	97.9
Acenaphthene-d10 % recovery**	%	TM218		95.6	98.5	97	98.4	96.6	93.5
Phenanthrene-d10 % recovery**	%	TM218		95.7	100	96.1	97.8	92.9	92.5
Chrysene-d12 % recovery**	%	TM218		81.1	83.7	77.6	85.7	96.6	90.8
Perylene-d12 % recovery**	%	TM218		109	111	104	119	105	94.7
Naphthalene	<9 µg/kg	TM218		70.1 M	336 M	58.7 M	10.8 M	29.3 M	10.1 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	54.6 M	<12 M	<12 M	23.1 M	<12 M
Acenaphthene	<8 µg/kg	TM218		21.4 M	252 M	13.7 M	<8 M	13.9 M	<8 M
Fluorene	<10 µg/kg	TM218		55.2 M	230 M	55.8 M	<10 M	29 M	<10 M
Phenanthrene	<15 µg/kg	TM218		95 M	220 M	145 M	69.9 M	203 M	134 M
Anthracene	<16 µg/kg	TM218		19.2 M	123 M	<16 M	<16 M	95.7 M	<16 M
Fluoranthene	<17 µg/kg	TM218		28.4 M	92.9 M	20.9 M	<17 M	267 M	19.6 M
Pyrene	<15 µg/kg	TM218		39.4 M	102 M	31.2 M	25.3 M	361 M	19.6 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	44.1 M	19.8 M	<14 M	182 M	<14 M
Chrysene	<10 µg/kg	TM218		22 M	68.9 M	45 M	39.9 M	257 M	61.7 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		26.9 M	88.2 M	<15 M	33.2 M	336 M	68 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	30.8 M	<14 M	<14 M	90.3 M	66.1 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	47.2 M	<15 M	<15 M	180 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	33.6 M	<18 M	<18 M	124 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	50.8 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	40.7 M	<24 M	<24 M	150 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		378	1760	390	179	2390	380

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP018	IP019	IP019	IP019	IP020	IP020
			Depth (m)	3.00	0.50	1.50	2.75	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559669	9559647	9559652	9559656	9559625	9559629
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	92.2	100	97	98.8	92.7
Acenaphthene-d10 % recovery**	%	TM218		97.3	93.1	101	97.9	99.8	93.4
Phenanthrene-d10 % recovery**	%	TM218		95.1	90.9	98.8	94.5	97.4	91.8
Chrysene-d12 % recovery**	%	TM218		96.9	89.2	98.5	89.8	95.3	90
Perylene-d12 % recovery**	%	TM218		105	79.6	89.9	76.1	83.1	80.9
Naphthalene	<9 µg/kg	TM218		21.7 M	<9 M	<9 M	<9 M	15.4 M	11.3 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		28 M	<10 M	<10 M	<10 M	<10 M	10.9 M
Phenanthrene	<15 µg/kg	TM218		110 M	90 M	83.9 M	131 M	106 M	123 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	17.6 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	<17 M	84.4 M	112 M
Pyrene	<15 µg/kg	TM218		17 M	<15 M	<15 M	<15 M	83.5 M	98 M
Benz(a)anthracene	<14 µg/kg	TM218		22.6 M	<14 M	<14 M	<14 M	54.6 M	76.4 M
Chrysene	<10 µg/kg	TM218		36.3 M	42.7 M	41 M	51.1 M	75.9 M	115 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		31.4 M	39.2 M	31.7 M	35.3 M	105 M	138 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	33.1 M	47.6 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	35.7 M	58.2 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	33.1 M	35.4 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	44.4 M	50.7 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		267	172	157	218	671	893

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP020	IP020	IP024	IP024	IP024	IP038
			Depth (m)	2.50	3.50	1.50	2.90	4.00	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559633	9559637	9559694	9559698	9559702	9559442
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	90.6	96.1	92.1	94.9	99.3
Acenaphthene-d10 % recovery**	%	TM218		95.9	91.2	93.1	93	94	99.4
Phenanthrene-d10 % recovery**	%	TM218		94.8	88.6	92.1	92.9	93.7	98.9
Chrysene-d12 % recovery**	%	TM218		92.3	87.3	84.7	93.7	90.2	94.1
Perylene-d12 % recovery**	%	TM218		94.5	77.7	85.9	102	89.9	98.9
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	162 M	245 M	36 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	210 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	28.1 M	383 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	47.7 M	843 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		49.6 M	60.8 M	205 M	2140 M	113 M	107 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	23 M	1560 M	39.1 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	76.4 M	680 M	21.7 M	39.7 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	69.2 M	1690 M	46.2 M	31.6 M
Benz(a)anthracene	<14 µg/kg	TM218		24.8 M	<14 M	<14 M	262 M	<14 M	22.8 M
Chrysene	<10 µg/kg	TM218		28.9 M	29.1 M	<10 M	600 M	<10 M	51 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		36.8 M	24.8 M	<15 M	313 M	<15 M	59 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	93.7 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	226 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<90 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<115 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<120 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		140	<118	611	9250	256	311

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP039	IP039	IP039	IP040	IP040	IP040
			Depth (m)	0.50	1.40	2.00	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559447	9559452	9559456	9559465	9559470	9559475
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	92.6	92.5	96.2	87	92.2
Acenaphthene-d10 % recovery**	%	TM218		101	95.5	91	97	92.7	90.2
Phenanthrene-d10 % recovery**	%	TM218		102	95.1	89.3	98.1	92.5	88.4
Chrysene-d12 % recovery**	%	TM218		103	92.2	87.8	99	88.7	86.5
Perylene-d12 % recovery**	%	TM218		111	98.9	93.1	106	92.5	91.4
Naphthalene	<9 µg/kg	TM218		16.9 M	223 M	11.1 M	66.4 M	17.8 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		28.3 M	74.6 M	<12 M	50.3 M	57.7 M	<12 M
Acenaphthene	<8 µg/kg	TM218		18.6 M	122 M	<8 M	30.5 M	96.8 M	<8 M
Fluorene	<10 µg/kg	TM218		24.9 M	133 M	<10 M	100 M	349 M	<10 M
Phenanthrene	<15 µg/kg	TM218		212 M	604 M	127 M	465 M	469 M	104 M
Anthracene	<16 µg/kg	TM218		67.6 M	268 M	<16 M	139 M	187 M	<16 M
Fluoranthene	<17 µg/kg	TM218		345 M	1020 M	44 M	1320 M	174 M	<17 M
Pyrene	<15 µg/kg	TM218		374 M	902 M	41.1 M	1240 M	196 M	21.4 M
Benz(a)anthracene	<14 µg/kg	TM218		188 M	582 M	<14 M	786 M	54.8 M	<14 M
Chrysene	<10 µg/kg	TM218		298 M	600 M	77.6 M	977 M	78.4 M	38.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		342 M	1200 M	67.4 M	1380 M	103 M	42 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		93.2 M	314 M	16.9 M	456 M	26.2 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		208 M	831 M	19.6 M	918 M	68.9 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		140 M	969 M	22 M	637 M	55.9 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		45.4 M	250 M	<23 M	199 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		180 M	1290 M	27.3 M	754 M	67.9 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2580	9380	454	9520	2000	206

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP044	IP044	IP044	IP045	IP045	IP045
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559526	9559531	9559536	9559541	9559545	9559549
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96	91	99.4	95.7	89.6	85.9
Acenaphthene-d10 % recovery**	%	TM218		96.9	86.6	95.2	101	87.3	82.2
Phenanthrene-d10 % recovery**	%	TM218		97.9	84	92.3	102	86.2	80.3
Chrysene-d12 % recovery**	%	TM218		99.2	79.6	87.8	108	85.4	76.1
Perylene-d12 % recovery**	%	TM218		110	83.4	93.2	120	91.6	79
Naphthalene	<9 µg/kg	TM218		25.2 M	17.9 M	25.6 M	260 M	47.8 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		44 M	<12 M	<12 M	525 M	23.1 M	<12 M
Acenaphthene	<8 µg/kg	TM218		29.3 M	12.6 M	<8 M	1370 M	13.4 M	<8 M
Fluorene	<10 µg/kg	TM218		72.1 M	13.9 M	<10 M	2510 M	39 M	<10 M
Phenanthrene	<15 µg/kg	TM218		167 M	57.8 M	118 M	6210 M	254 M	86.2 M
Anthracene	<16 µg/kg	TM218		153 M	<16 M	<16 M	6640 M	68.8 M	<16 M
Fluoranthene	<17 µg/kg	TM218		77 M	<17 M	30.1 M	2620 M	605 M	<17 M
Pyrene	<15 µg/kg	TM218		184 M	<15 M	23.6 M	8400 M	556 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		69.7 M	23.4 M	26.1 M	987 M	315 M	<14 M
Chrysene	<10 µg/kg	TM218		153 M	16.7 M	45 M	2900 M	348 M	38 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		166 M	17.1 M	42.9 M	1340 M	502 M	36.8 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		64.3 M	<14 M	<14 M	433 M	152 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		79.6 M	<15 M	<15 M	770 M	338 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		79.6 M	<18 M	<18 M	490 M	215 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<46 M	<23 M	<23 M	<230 M	62.3 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		101 M	<24 M	<24 M	835 M	272 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1460	159	311	36300	3810	161

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP047	IP047	IP047	IP055	IP055	IP055
			Depth (m)	0.50	1.30	2.10	0.50	1.50	2.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559555	9559559	9559567	9559571	9559575	9559579
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.4	86	93.8	91	95.2	97.9
Acenaphthene-d10 % recovery**	%	TM218		101	87.7	91.1	90.8	93.7	95.3
Phenanthrene-d10 % recovery**	%	TM218		104	89	88.3	87.8	92.9	91.4
Chrysene-d12 % recovery**	%	TM218		107	89.4	87.7	88.7	84.6	91.9
Perylene-d12 % recovery**	%	TM218		117	97.7	95.5	90.9	87.8	101
Naphthalene	<9 µg/kg	TM218		15 M	45.4 M	165 M	88.5 M	25.4 M	113 M
Acenaphthylene	<12 µg/kg	TM218		31.4 M	<12 M	<12 M	25.1 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		212 M	211 M	<8 M	25.7 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		210 M	520 M	<10 M	86 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		607 M	2170 M	152 M	376 M	108 M	194 M
Anthracene	<16 µg/kg	TM218		645 M	1460 M	<16 M	199 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		260 M	538 M	<17 M	520 M	21.1 M	26.2 M
Pyrene	<15 µg/kg	TM218		751 M	1430 M	<15 M	584 M	19.1 M	19.2 M
Benz(a)anthracene	<14 µg/kg	TM218		114 M	192 M	<14 M	264 M	<14 M	28 M
Chrysene	<10 µg/kg	TM218		327 M	527 M	69.7 M	362 M	41 M	83.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		142 M	267 M	70.4 M	396 M	41.5 M	87.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		27.1 M	57.1 M	<14 M	149 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		55.1 M	151 M	<15 M	249 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		30.7 M	76.7 M	<18 M	165 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	32.8 M	<23 M	59.3 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		46.9 M	107 M	<24 M	217 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3470	7780	458	3770	256	551

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP075	IP075	IP075	IP076	IP076	IP076
			Depth (m)	0.50	1.50	2.50	0.50	1.20	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559404	9559408	9559412	9559416	9559421	9559426
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		90.7	90.3	93.2	94.6	76.8	91.8
Acenaphthene-d10 % recovery**	%	TM218		88	87.9	91.2	92.4	73.9	89.7
Phenanthrene-d10 % recovery**	%	TM218		85	84.8	88.6	90.1	71	87.8
Chrysene-d12 % recovery**	%	TM218		81	81.2	86.4	87.3	66	84.1
Perylene-d12 % recovery**	%	TM218		83	85.4	91.9	92.5	53.9	88.5
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	28.1 M	<9 M	271 M	13.9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	23.4 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	99.8 M	<10 M
Phenanthrene	<15 µg/kg	TM218		100 M	166 M	240 M	84.4 M	269 M	77.7 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	40.1 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	25.5 M	78.4 M	66.9 M	18.9 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	81.8 M	50.4 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	49.4 M	19.5 M	<14 M
Chrysene	<10 µg/kg	TM218		47.3 M	90.6 M	138 M	66.7 M	80.9 M	30.4 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		38.2 M	36.3 M	82.4 M	99.9 M	52.3 M	30.6 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	20.5 M	19.3 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	51.2 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	36.4 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	42.6 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		186	293	514	611	993	172

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP076	IP079	IP079	IP079	IP079	IP080
			Depth (m)	2.50	0.50	1.50	2.50	3.70	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559430	9559607	9559612	9559617	9559621	9559601
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.1	92.6	90.3	92.9	95.5	93
Acenaphthene-d10 % recovery**	%	TM218		97	95.2	95.5	95.3	96	91.5
Phenanthrene-d10 % recovery**	%	TM218		96.8	92.9	97	94.6	95.4	90.6
Chrysene-d12 % recovery**	%	TM218		86.6	99.2	93.5	89.8	92	91.6
Perylene-d12 % recovery**	%	TM218		89.9	99.1	99.2	92.6	90.4	98.7
Naphthalene	<9 µg/kg	TM218		22.2 #	20.5 M	94.8 M	112 M	90.7 M	60.7 M
Acenaphthylene	<12 µg/kg	TM218		<12 #	<12 M	51.3 M	39.3 M	39.9 M	125 M
Acenaphthene	<8 µg/kg	TM218		<8 #	24.8 M	136 M	114 M	101 M	118 M
Fluorene	<10 µg/kg	TM218		<10 #	58.1 M	353 M	459 M	296 M	205 M
Phenanthrene	<15 µg/kg	TM218		139 #	162 M	962 M	492 M	443 M	435 M
Anthracene	<16 µg/kg	TM218		<16 #	114 M	521 M	146 M	152 M	795 M
Fluoranthene	<17 µg/kg	TM218		<17 #	224 M	968 M	36.3 M	62.8 M	561 M
Pyrene	<15 µg/kg	TM218		<15 #	259 M	1060 M	62.6 M	101 M	1210 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 #	115 M	501 M	<14 M	<14 M	235 M
Chrysene	<10 µg/kg	TM218		48 #	143 M	719 M	<10 M	<10 M	343 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		39.9 #	167 M	878 M	<15 M	<15 M	395 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 #	79 M	263 M	<14 M	<14 M	131 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 #	98.4 M	586 M	<15 M	<15 M	315 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 #	84.7 M	447 M	<18 M	<18 M	213 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 #	<23 M	140 M	<23 M	<23 M	<115 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 #	121 M	632 M	<24 M	<24 M	281 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		249	1670	8310	1460	1290	5430

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP081	IP081	IP081	IP084	IP084	IP084
			Depth (m)	0.50	1.50	2.50	0.50	1.50	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559583	9559587	9559591	9559707	9559711	9559715
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.7	98.6	94.3	90	75	95.7
Acenaphthene-d10 % recovery**	%	TM218		92.7	92.8	94	96.2	70	95.5
Phenanthrene-d10 % recovery**	%	TM218		89.4	87.8	93.1	97.9	75	93.4
Chrysene-d12 % recovery**	%	TM218		82.4	81.8	84.8	93.7	70	82.7
Perylene-d12 % recovery**	%	TM218		84.7	84.3	86.2	125	120	87.3
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	20.4 M	37.6 M	585 M	101 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	61 M	336 M	106 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	19 M	120 M	1010 M	202 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	42 M	158 M	2430 M	334 M
Phenanthrene	<15 µg/kg	TM218		25.1 M	62.9 M	114 M	1020 M	3090 M	749 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	22.6 M	414 M	2830 M	363 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	1620 M	3050 M	778 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	17.7 M	1260 M	4280 M	719 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	775 M	1510 M	337 M
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	767 M	1780 M	393 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	908 M	1940 M	471 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	420 M	1310 M	168 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	1090 M	1850 M	312 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	609 M	1340 M	181 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	201 M	460 M	67.6 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	800 M	1920 M	233 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	235	10300	29700	5520

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP084	IP087	IP087	IP087	IP097	IP097
			Depth (m)	4.00	0.50	1.50	2.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559720	9562215	9562216	9562217	9559369	9559373
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.3	98.2	99.4	99	101	101
Acenaphthene-d10 % recovery**	%	TM218		98.5	96	103	101	99.3	101
Phenanthrene-d10 % recovery**	%	TM218		94.8	92.6	104	102	99.9	97.9
Chrysene-d12 % recovery**	%	TM218		94.8	86.6	99.9	97.2	90.2	99.6
Perylene-d12 % recovery**	%	TM218		97	91.6	103	96.8	89.2	101
Naphthalene	<9 µg/kg	TM218		349 #	33.5 M	281 M	258 M	<9 M	91.9 M
Acenaphthylene	<12 µg/kg	TM218		161 #	<12 M	<12 M	<12 M	<12 M	63.4 M
Acenaphthene	<8 µg/kg	TM218		1110 #	<8 M	860 M	628 M	<8 M	71 M
Fluorene	<10 µg/kg	TM218		1980 #	<10 M	1560 M	1400 M	<10 M	140 M
Phenanthrene	<15 µg/kg	TM218		2810 #	92.8 M	3900 M	2880 M	59.6 M	278 M
Anthracene	<16 µg/kg	TM218		937 #	<16 M	941 M	766 M	<16 M	164 M
Fluoranthene	<17 µg/kg	TM218		126 #	33 M	73.3 M	101 M	33.9 M	716 M
Pyrene	<15 µg/kg	TM218		270 #	27.4 M	196 M	226 M	29.4 M	768 M
Benz(a)anthracene	<14 µg/kg	TM218		37.8 #	24.9 M	30 M	<14 M	30.3 M	414 M
Chrysene	<10 µg/kg	TM218		74.6 #	12.5 M	40.5 M	<10 M	34.8 M	644 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		57.8 #	<15 M	30 M	65.4 M	47.4 M	1250 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 #	<14 M	<14 M	<14 M	<14 M	307 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 #	<15 M	<15 M	<15 M	20.8 M	508 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 #	<18 M	<18 M	<18 M	27.1 M	582 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 #	<23 M	<23 M	<23 M	<23 M	165 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 #	<24 M	<24 M	<24 M	39.5 M	754 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		7920	224	7910	6320	323	6920

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP097	IP099	IP099	IP099	IP099	IP114
			Depth (m)	2.50	0.50	1.50	2.00	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559377	9559309	9559313	9559317	9559322	9559279
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.1	123	102	91.9	92.4	99.4
Acenaphthene-d10 % recovery**	%	TM218		99.1	124	101	89.3	92.9	101
Phenanthrene-d10 % recovery**	%	TM218		98.9	121	98.9	83.9	89.7	107
Chrysene-d12 % recovery**	%	TM218		90.6	122	91.7	74.5	85.6	106
Perylene-d12 % recovery**	%	TM218		94.6	114	94	65.7	74.5	118
Naphthalene	<9 µg/kg	TM218		20.4 M	20.5 M	152 M	1150 M	32.3 #	369 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 #	361 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 #	151 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	41.9 M	<10 #	477 M
Phenanthrene	<15 µg/kg	TM218		177 M	213 M	544 M	2980 M	158 #	970 M
Anthracene	<16 µg/kg	TM218		<16 M	29.3 M	<16 M	<16 M	<16 #	1500 M
Fluoranthene	<17 µg/kg	TM218		21.9 M	301 M	58 M	235 M	<17 #	237 M
Pyrene	<15 µg/kg	TM218		<15 M	262 M	22.4 M	99.6 M	<15 #	869 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	137 M	<14 M	<14 M	<14 #	585 M
Chrysene	<10 µg/kg	TM218		107 M	205 M	<10 M	1420 M	78.4 #	961 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		83.7 M	234 M	268 M	725 M	39.2 #	511 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	90.2 M	18.6 M	31.9 M	<14 #	307 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	116 M	<15 M	<15 M	<15 #	457 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	71.6 M	<18 M	39.4 M	<18 #	482 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	100 M	<23 #	<230 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	103 M	<24 M	37.5 M	<24 #	809 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		410	1780	1060	6860	308	9040

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP114	IP114	IP114	IP114	IP114	IP115
			Depth (m)	0.90	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	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559283	9559287	9559295	9559299	9559304	9559381
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		84.8	96.9	99.2	93	99.6	101
Acenaphthene-d10 % recovery**	%	TM218		98.4	95.6	100	94.1	100	98.9
Phenanthrene-d10 % recovery**	%	TM218		98	87.8	98.2	91.9	98.9	98.1
Chrysene-d12 % recovery**	%	TM218		86.7	82.6	97	91	98.3	87.9
Perylene-d12 % recovery**	%	TM218		119	88.5	86.4	81	94.1	86.9
Naphthalene	<9 µg/kg	TM218		472 M	<9 M	<9 M	<9 M	34.6 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		639 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		5580 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		4740 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		13500 M	<15 M	121 M	104 M	441 M	71.2 M
Anthracene	<16 µg/kg	TM218		10700 M	<16 M	<16 M	<16 M	451 M	<16 M
Fluoranthene	<17 µg/kg	TM218		2720 M	<17 M	<17 M	<17 M	34 M	<17 M
Pyrene	<15 µg/kg	TM218		7920 M	<15 M	<15 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		832 M	<14 M	<14 M	<14 M	232 M	18 M
Chrysene	<10 µg/kg	TM218		3080 M	<10 M	52.9 M	46.2 M	242 M	24.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		815 M	<15 M	41.5 M	38.6 M	108 M	23.9 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		337 M	<14 M	<14 M	<14 M	104 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		858 M	<15 M	<15 M	<15 M	45.8 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		262 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<230 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		446 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		52900	<118	215	189	1690	138

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP115	IP115	IP116	IP116	IP116	IP116
			Depth (m)	1.50	2.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559392	9559397	9559353	9559357	9559361	9559365
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	91.3	96.3	91.8	101	95.5
Acenaphthene-d10 % recovery**	%	TM218		104	93.4	95.5	93.6	99.1	93.8
Phenanthrene-d10 % recovery**	%	TM218		103	92.5	94.3	92	99.1	92.9
Chrysene-d12 % recovery**	%	TM218		90.8	84.7	89.9	90.2	87.2	84.8
Perylene-d12 % recovery**	%	TM218		89.3	83.4	95.5	79.6	86	85.4
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	18.4 M	<9 M	<9 M	22.5 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	14.6 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		102 M	80.1 M	108 M	75.2 M	134 M	261 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	43.3 M	<17 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	31.8 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	21.3 M	25.6 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		45.9 M	26.8 M	61.4 M	37.6 M	47.4 M	97.2 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		41.3 M	24.4 M	74.7 M	32.9 M	41.4 M	68.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	20.1 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		190	153	383	160	223	449

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP135	IP135	IP135	IP135	IP141	IP141
			Depth (m)	0.50	1.00	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9562212	9562213	9562214	9559275	9559480	9559484
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.7	93.6	105	94.8	94.1	93.5
Acenaphthene-d10 % recovery**	%	TM218		95.9	106	105	97	94.9	101
Phenanthrene-d10 % recovery**	%	TM218		94.1	102	103	96.6	95.8	101
Chrysene-d12 % recovery**	%	TM218		92.4	111	99.6	80.5	96.7	89.7
Perylene-d12 % recovery**	%	TM218		103	120	108	108	108	126
Naphthalene	<9 µg/kg	TM218		198 M	796 M	<9 M	15.9 M	39 M	39.6 M
Acenaphthylene	<12 µg/kg	TM218		<120 M	527 M	<12 M	<12 M	51.7 M	24.6 M
Acenaphthene	<8 µg/kg	TM218		<80 M	5680 M	<8 M	<8 M	91.3 M	37.9 M
Fluorene	<10 µg/kg	TM218		223 M	9470 M	<10 M	<10 M	228 M	68.3 M
Phenanthrene	<15 µg/kg	TM218		717 M	34400 M	106 M	56.4 M	898 M	78.1 M
Anthracene	<16 µg/kg	TM218		845 M	22800 M	<16 M	<16 M	630 M	43.3 M
Fluoranthene	<17 µg/kg	TM218		260 M	4970 M	41.1 M	<17 M	1130 M	<17 M
Pyrene	<15 µg/kg	TM218		1080 M	14100 M	50.8 M	<15 M	1380 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<140 M	2000 M	36.2 M	16.5 M	671 M	16.6 M
Chrysene	<10 µg/kg	TM218		139 M	5310 M	59.4 M	21.3 M	902 M	22.7 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		500 M	2230 M	85.6 M	23.8 M	738 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<140 M	372 M	<14 M	<14 M	273 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		243 M	980 M	19 M	<15 M	633 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<180 M	398 M	<18 M	<18 M	372 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<230 M	<230 M	<23 M	<23 M	128 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		470 M	656 M	<24 M	<24 M	483 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4670	105000	398	134	8650	331

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP141	IP142	IP142	IP143	IP143	IP143
			Depth (m)	2.60	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559490	9559494	9559499	9559503	9559507	9559516
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92	93.3	94.2	92	94.6	92.8
Acenaphthene-d10 % recovery**	%	TM218		89.2	93	97.4	90.8	96.9	95.8
Phenanthrene-d10 % recovery**	%	TM218		87.1	93.8	97.9	89.2	96.3	96.1
Chrysene-d12 % recovery**	%	TM218		82.1	96.8	82.5	88.5	82.2	81.8
Perylene-d12 % recovery**	%	TM218		84.6	106	110	92.8	110	111
Naphthalene	<9 µg/kg	TM218		14.6 M	13.7 M	<9 M	73.1 M	16.5 M	46.4 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	18.2 M	<12 M	35.9 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	57.3 M	26.4 M	29.7 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	109 M	44 M	29.5 M
Phenanthrene	<15 µg/kg	TM218		99.9 M	150 M	171 M	667 M	124 M	171 M
Anthracene	<16 µg/kg	TM218		<16 M	107 M	22.9 M	173 M	47.3 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	165 M	272 M	1650 M	217 M	148 M
Pyrene	<15 µg/kg	TM218		<15 M	302 M	204 M	1420 M	214 M	118 M
Benz(a)anthracene	<14 µg/kg	TM218		16.8 M	94.7 M	139 M	918 M	71.6 M	61.1 M
Chrysene	<10 µg/kg	TM218		32.7 M	185 M	162 M	1040 M	136 M	105 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		33.2 M	167 M	210 M	1260 M	104 M	94.6 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	44.6 M	96.4 M	423 M	37.8 M	39.5 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	104 M	168 M	937 M	79.4 M	79.5 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	68.5 M	91.8 M	633 M	44.6 M	43.8 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	26.4 M	35.3 M	194 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	98.4 M	109 M	786 M	56.7 M	55.9 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		197	1550	1680	10400	1220	1020

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP143	IP154	IP154	IP154	IP156	IP156
			Depth (m)	3.30	0.50	1.50	2.10	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559521	9559262	9559266	9559270	9559326	9559330
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.3	91.9	96.7	91.5	95.3	93.2
Acenaphthene-d10 % recovery**	%	TM218		97.7	104	98.7	93.7	94	96.3
Phenanthrene-d10 % recovery**	%	TM218		98	101	91.7	94.5	92.9	96.1
Chrysene-d12 % recovery**	%	TM218		85	106	82.8	97	86	82.9
Perylene-d12 % recovery**	%	TM218		117	113	88.5	106	88.5	112
Naphthalene	<9 µg/kg	TM218		<9 M	807 M	<9 M	23.7 #	28.3 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	1360 M	<12 M	34.8 #	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	7030 M	<8 M	76.8 #	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	10600 M	<10 M	231 #	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		47.4 M	30800 M	<15 M	536 #	159 M	79.1 M
Anthracene	<16 µg/kg	TM218		<16 M	15900 M	<16 M	673 #	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	4540 M	<17 M	205 #	74.1 M	29.1 M
Pyrene	<15 µg/kg	TM218		16.9 M	14700 M	<15 M	663 #	53.9 M	27.3 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	1820 M	<14 M	94.7 #	36.2 M	29.3 M
Chrysene	<10 µg/kg	TM218		<10 M	4240 M	<10 M	334 #	83.4 M	27.7 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	1440 M	<15 M	98 #	104 M	50.1 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	568 M	<14 M	22.8 #	18.4 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	1560 M	<15 M	49.9 #	32.6 M	17.6 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	512 M	<18 M	25.1 #	23.3 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	340 M	<23 M	<23 #	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	664 M	<24 M	39.5 #	27.7 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	96800	<118	3110	640	260

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP156	IP156	IP156	IP166	IP166	IP166
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559335	9559345	9559349	9559235	9559241	9559245
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92.5	96.2	94.6	88.7	101	91.2
Acenaphthene-d10 % recovery**	%	TM218		93.4	95.4	96	84.6	100	85.7
Phenanthrene-d10 % recovery**	%	TM218		90.6	94.6	95	81.6	92.3	83.3
Chrysene-d12 % recovery**	%	TM218		87.8	90.5	86.3	75.8	83.3	77.2
Perylene-d12 % recovery**	%	TM218		81.6	97.1	84.1	77.9	90.1	77.9
Naphthalene	<9 µg/kg	TM218		<9 M	28.1 M	<9 M	<9 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		25.7 M	301 M	102 M	57.5 M	<15 M	58.4 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	22.1 M	<17 M	78.1 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	64 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		17.9 M	<14 M	22.4 M	47.2 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		<10 M	126 M	31.8 M	46.1 M	<10 M	24.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	95.8 M	24.5 M	43.9 M	<15 M	24.4 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	26.9 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	573	180	364	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP166	IP166	IP270	IP270	IP273	IP274
			Depth (m)	3.50	4.50	0.50	1.50	1.00	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559250	9559254	9559724	9559728	9559214	9559228
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99	91.9	93.7	94.9	93.6	95
Acenaphthene-d10 % recovery**	%	TM218		97	87.6	93.6	95.5	98.7	91.4
Phenanthrene-d10 % recovery**	%	TM218		95.1	84.4	90.4	92.6	96.7	88.9
Chrysene-d12 % recovery**	%	TM218		87.6	79.2	84.2	86.9	96	86.6
Perylene-d12 % recovery**	%	TM218		91.9	82.2	86.6	89.4	90.1	92.1
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	19.7 M	46.9 M	268 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	<8 M	<8 M	19.3 M	<8 #
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	106 M	<10 #
Phenanthrene	<15 µg/kg	TM218		<15 M	71.4 M	53.9 M	343 M	197 M	131 #
Anthracene	<16 µg/kg	TM218		<16 M	74.6 M	<16 M	<16 M	31.2 M	<16 #
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	52.2 M	20 M	25 #
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	25 M	49.5 M	<15 #
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	16.6 M	<14 M	<14 M	<14 M	18.2 #
Chrysene	<10 µg/kg	TM218		<10 M	30.8 M	<10 M	185 M	36 M	64.6 #
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	28.4 M	<15 M	85.3 M	31.4 M	64.3 #
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		<118	222	<118	738	759	303

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP298	IP299	IP299	IP299	IP300	IP300
			Depth (m)	2.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559220	9559821	9559825	9559829	9559833	9559208
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.9	95.7	97	95.2	94.3	92.8
Acenaphthene-d10 % recovery**	%	TM218		97.5	93.8	97.2	102	96.3	95.3
Phenanthrene-d10 % recovery**	%	TM218		94.6	92.8	99	103	94.3	92.7
Chrysene-d12 % recovery**	%	TM218		93	85.6	93.4	84.7	94.3	91.9
Perylene-d12 % recovery**	%	TM218		87.7	88.1	99	115	91.3	84.8
Naphthalene	<9 µg/kg	TM218		<9 M	28.5 M	5140 M	5180 M	426 M	336 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	81.6 M	21.9 M	32.5 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	132 M	296 M	33.2 M	58.3 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	392 M	496 M	51.4 M	209 M
Phenanthrene	<15 µg/kg	TM218		51.7 M	94.1 M	479 M	501 M	176 M	448 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	119 M	132 M	41 M	104 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	24.8 M	<17 M	58.2 M	22.8 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	41.1 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	20.9 M	<14 M	26 M	<14 M
Chrysene	<10 µg/kg	TM218		26.1 M	36.7 M	44.9 M	<10 M	53 M	45.2 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		19.3 M	26.4 M	38.3 M	<15 M	65.6 M	18.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	20.6 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	24.6 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	22.1 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	32.4 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	186	6390	6690	1090	1270

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP302	IP303	IP304	IP304	IP305	IP305
			Depth (m)	0.20	1.00	0.50	1.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559738	9559742	9559750	9559754	9559799	9559803
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.5	88.1	91.4	93.5	111	92.2
Acenaphthene-d10 % recovery**	%	TM218		98.1	88.8	91.2	94.3	114	93.8
Phenanthrene-d10 % recovery**	%	TM218		96.2	86.4	90.4	90.3	111	91.7
Chrysene-d12 % recovery**	%	TM218		90.7	85	82.9	94.2	111	88.5
Perylene-d12 % recovery**	%	TM218		86.9	74.6	86.5	91.3	101	78.6
Naphthalene	<9 µg/kg	TM218		29.2 M	48.2 M	375 M	810 M	834 M	1910 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	55.7 M	83.1 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	75.8 M	206 M	<8 M	94.2 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	99.7 M	810 M	708 M	231 M
Phenanthrene	<15 µg/kg	TM218		319 M	539 M	295 M	1280 M	824 M	262 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	86.9 M	323 M	170 M	58.7 M
Fluoranthene	<17 µg/kg	TM218		108 M	85.8 M	58.5 M	40.7 M	29.3 M	<17 M
Pyrene	<15 µg/kg	TM218		77.8 M	46 M	39 M	29.3 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		48.6 M	33.2 M	21 M	24.7 M	28.3 M	<14 M
Chrysene	<10 µg/kg	TM218		192 M	251 M	46.6 M	28.9 M	40 M	15.4 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		129 M	164 M	50.1 M	25.3 M	23.4 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		28.8 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		31 M	<15 M	21.6 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		28.1 M	19.6 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		38.6 M	30.1 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1030	1220	1220	3660	2660	2570

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP305	IP333	IP333	IP334	IP334	IP334
			Depth (m)	3.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559807	9559812	9559816	9559781	9559786	9559795
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94	95.5	90.8	91.1	93.9	92.2
Acenaphthene-d10 % recovery**	%	TM218		96.4	95.4	86.2	92.1	93.2	95
Phenanthrene-d10 % recovery**	%	TM218		94.6	94.6	83.9	88.9	90.7	92.9
Chrysene-d12 % recovery**	%	TM218		92.1	87.4	79.7	86.5	84.3	88.1
Perylene-d12 % recovery**	%	TM218		81.6	93.5	81	77.1	73	79.4
Naphthalene	<9 µg/kg	TM218		2860 M	759 M	105 M	<9 M	1050 M	390 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		130 M	11.4 M	<8 M	<8 M	25.2 M	20 M
Fluorene	<10 µg/kg	TM218		354 M	53.6 M	<10 M	<10 M	68 M	53.5 M
Phenanthrene	<15 µg/kg	TM218		490 M	156 M	190 M	17.7 M	147 M	147 M
Anthracene	<16 µg/kg	TM218		83.3 M	<16 M	<16 M	<16 M	19.2 M	<16 M
Fluoranthene	<17 µg/kg	TM218		40 M	81.8 M	<17 M	<17 M	50.1 M	22.1 M
Pyrene	<15 µg/kg	TM218		23.4 M	58.1 M	<15 M	<15 M	33.6 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		16.5 M	32.6 M	<14 M	<14 M	29.9 M	20.7 M
Chrysene	<10 µg/kg	TM218		41.9 M	60.8 M	64.6 M	<10 M	40.5 M	38.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		25.5 M	79.1 M	38.4 M	<15 M	31.3 M	18.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	17.8 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	31.4 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	21.8 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4060	1360	397	<118	1490	710

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP335	IP335	IP335	IP336	IP390	IP390
			Depth (m)	0.50	1.50	2.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559760	9559765	9559773	9559746	9559201	9559258
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	96.1	101	90.6	97.4	90.7
Acenaphthene-d10 % recovery**	%	TM218		98.6	96.9	103	91.3	93.2	90.9
Phenanthrene-d10 % recovery**	%	TM218		96.9	93.5	102	88	89.8	88.1
Chrysene-d12 % recovery**	%	TM218		95.1	90.3	98.8	85.3	85.5	85.9
Perylene-d12 % recovery**	%	TM218		98.8	81.4	86.5	75.2	84.3	76.4
Naphthalene	<9 µg/kg	TM218		<9 M	44.5 M	215 M	<9 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		17.3 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	13 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	48.8 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		36.1 M	104 M	527 M	39.4 M	46.8 M	48.2 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	115 M	48.4 M	<17 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	81.4 M	22.5 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		23.6 M	37.2 M	<14 M	<14 M	18.3 M	<14 M
Chrysene	<10 µg/kg	TM218		18.6 M	71.8 M	144 M	19.8 M	23.7 M	27.7 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		22.9 M	83.2 M	110 M	<15 M	18.6 M	19.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	31.8 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	35.9 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	27.1 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	40.8 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		119	672	1130	<118	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP393	IP398	IP398	IP414	IP414	IP415
			Depth (m)	0.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559194	9559732	9559791	9559291	9559339	9559461
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92.9	95	91.8	94.2	95	96.3
Acenaphthene-d10 % recovery**	%	TM218		92.5	91	86.9	91.5	91.7	92.5
Phenanthrene-d10 % recovery**	%	TM218		90.6	87.4	84.1	88	88	89
Chrysene-d12 % recovery**	%	TM218		91.4	82.8	78.5	87.5	86	85.2
Perylene-d12 % recovery**	%	TM218		102	81.5	78.7	92.6	87.8	83.4
Naphthalene	<9 µg/kg	TM218		34.7 M	10.2 M	<9 M	<9 M	<9 M	55 M
Acenaphthylene	<12 µg/kg	TM218		93 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		11.6 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		224 M	59.5 M	92.1 M	55.5 M	25.1 M	55.6 M
Anthracene	<16 µg/kg	TM218		50.1 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		624 M	52.9 M	<17 M	<17 M	<17 M	70.7 M
Pyrene	<15 µg/kg	TM218		482 M	44.1 M	<15 M	<15 M	<15 M	52.2 M
Benz(a)anthracene	<14 µg/kg	TM218		407 M	38.5 M	16.3 M	20.3 M	17.3 M	45 M
Chrysene	<10 µg/kg	TM218		464 M	53.2 M	38 M	28.4 M	14 M	62.4 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		800 M	59.4 M	26 M	23.4 M	<15 M	94.4 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		355 M	18.7 M	<14 M	<14 M	<14 M	31.7 M
Benzo(a)pyrene	<15 µg/kg	TM218		454 M	24.7 M	<15 M	<15 M	<15 M	29.2 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		394 M	<18 M	<18 M	<18 M	<18 M	36 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		82.8 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		398 M	<24 M	<24 M	<24 M	<24 M	44 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		4870	361	172	128	<118	576

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP415	IP416	IP416	IP421	IP421	IP443
			Depth (m)	1.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559511	9559563	9559595	9559643	9559689	9559436
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92.8	88.2	101	99.7	97.3	98.6
Acenaphthene-d10 % recovery**	%	TM218		88.6	86.2	97.9	99.2	88.3	98.3
Phenanthrene-d10 % recovery**	%	TM218		84	82.7	96.6	99	83.7	97.1
Chrysene-d12 % recovery**	%	TM218		78.4	78.8	95.8	94.1	80.8	92.8
Perylene-d12 % recovery**	%	TM218		83	84.8	98.9	99.5	86.4	93
Naphthalene	<9 µg/kg	TM218		799 M	20.5 M	515 M	<9 #	1270 M	10.4 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	34.6 M	<12 #	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		77.5 M	<8 M	55 M	<8 #	22.6 M	<8 M
Fluorene	<10 µg/kg	TM218		82.5 M	<10 M	55.7 M	<10 #	99.5 M	<10 M
Phenanthrene	<15 µg/kg	TM218		72.4 M	36.8 M	104 M	62.9 #	60.6 M	75.6 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 #	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		60.7 M	29.9 M	<17 M	41.3 #	<17 M	48.2 M
Pyrene	<15 µg/kg	TM218		44.6 M	26 M	<15 M	32 #	<15 M	34 M
Benz(a)anthracene	<14 µg/kg	TM218		40.4 M	25.8 M	23.1 M	27.7 #	<14 M	16.3 M
Chrysene	<10 µg/kg	TM218		49.5 M	20.3 M	54 M	37.7 #	21.1 M	51.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		78 M	28.6 M	49.3 M	44.3 #	25.6 M	66.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		20.5 M	<14 M	<14 M	<14 #	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		32.6 M	18.1 M	<15 M	17.8 #	<15 M	24.7 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		33 M	<18 M	<18 M	<18 #	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 #	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		37.8 M	<24 M	<24 M	<24 #	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1430	206	891	264	1500	327

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

PAH by GCMS

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

Customer Sample R	IP445
Depth (m)	0.50
Sample Type	Soil/Solid
Date Sampled	02/07/2014
Sample Time	.
Date Received	04/07/2014
SDG Ref	140704-109
Lab Sample No.(s)	9559386
AGS Reference	

Component	LOD/Units	Method	
Naphthalene-d8 % recovery**	%	TM218	94.3
Acenaphthene-d10 % recovery**	%	TM218	90.2
Phenanthrene-d10 % recovery**	%	TM218	86.9
Chrysene-d12 % recovery**	%	TM218	83.7
Perylene-d12 % recovery**	%	TM218	83.5
Naphthalene	<9 µg/kg	TM218	124 M
Acenaphthylene	<12 µg/kg	TM218	<12 M
Acenaphthene	<8 µg/kg	TM218	<8 M
Fluorene	<10 µg/kg	TM218	<10 M
Phenanthrene	<15 µg/kg	TM218	99.5 M
Anthracene	<16 µg/kg	TM218	102 M
Fluoranthene	<17 µg/kg	TM218	23.7 M
Pyrene	<15 µg/kg	TM218	24.4 M
Benz(a)anthracene	<14 µg/kg	TM218	37.1 M
Chrysene	<10 µg/kg	TM218	62.8 M
Benzo(b)fluoranthene	<15 µg/kg	TM218	70.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218	19.1 M
Benzo(a)pyrene	<15 µg/kg	TM218	29.2 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218	51.2 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218	123 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218	766

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP017	IP017	IP017	IP017	IP018	IP018
			Depth (m)	0.50	1.50	2.90	4.00	0.50	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559673	9559677	9559681	9559685	9559660	9559664
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		95	93	37	83	79	86
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		5640 M	42900 M	307 M	514 M	1530 M	360 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	195	70.6	72.8	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		228	2490	66.1	101	40.2	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		3130	23100	47	142	862	147
Aliphatics >C12-C16	<100 µg/kg	TM173		219000	832000	16200	3100	41600	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		276000	698000	19700	6430	248000	3510
Aliphatics >C21-C35	<100 µg/kg	TM173		160000	81500	6270	6120	398000	6610
Aliphatics >C35-C44	<100 µg/kg	TM173		22500	<100	<100	<100	49500	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		677000	1610000	42200	15700	738000	10100
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		158	1660	71.7	73.9	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		2080	15400	<40	95.2	575	97.5
Aromatics >EC12-EC16	<100 µg/kg	TM173		69200	61300	10500	<100	2920	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		121000	103000	8960	<100	64100	2280
Aromatics >EC21-EC35	<100 µg/kg	TM173		92400	26100	7470	3930	183000	5740
Aromatics >EC35-EC44	<100 µg/kg	TM173		20600	1210	2990	<100	36000	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		7810	222	1040	<100	12800	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		303000	191000	29900	3930	286000	8020
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		986000	1850000	72400	20100	1030000	18500

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP018	IP019	IP019	IP019	IP020	IP020
			Depth (m)	3.00	0.50	1.50	2.75	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559669	9559647	9559652	9559656	9559625	9559629
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		72	84	74	81	81	87
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<880 M	<176 M	<176 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<200 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<40 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	5770	21000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	9190	<100	<100	30000	59000
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	10600	<100	<100	50100	61900
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	655	<100	<100	7880	7670
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	20400	<100	<100	93700	149000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	156	<100	<100	<100	4820
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	5080	<100	<100	4540	22200
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	9170	<100	<100	13400	36600
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	8640
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	3250
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	14400	<100	<100	17900	72200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	34800	<100	<100	112000	222000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP020	IP020	IP024	IP024	IP024	IP038
			Depth (m)	2.50	3.50	1.50	2.90	4.00	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559633	9559637	9559694	9559698	9559702	9559442
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		92	74	114	77	105	95
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		31800 M	<176 M	82300 M	22900 M	1850 M	352 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	406 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	406	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	102	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	3180	1330	562	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		1180	<40	20500	6500	270	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		17900	<40	27000	6400	189	166
Aliphatics >C12-C16	<100 µg/kg	TM173		668	236	22100	560000	203000	1370
Aliphatics >C16-C21	<100 µg/kg	TM173		6360	4990	27300	2140000	1100000	7090
Aliphatics >C21-C35	<100 µg/kg	TM173		11300	8840	30200	2860000	1630000	5510
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	342	2240	344000	177000	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		18300	14400	81800	5910000	3110000	14000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	406	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		792	<40	13700	4330	193	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		11900	<40	18000	4270	125	110
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	1250	241000	18100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		2180	<100	4310	1080000	291000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		4380	<100	7370	1400000	589000	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	386	213000	98900	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	73700	35700	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		6560	<100	13300	2940000	997000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		56700	14400	177000	8860000	4110000	14300

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP039	IP039	IP039	IP040	IP040	IP040
			Depth (m)	0.50	1.40	2.00	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559447	9559452	9559456	9559465	9559470	9559475
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		96	78	62	68	96	74
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	1050 M	220 M	1290 M	1850 M	233 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<3 M	5.5 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		<40	<40	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	70.2	19.2	39.6	12.3	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	139	31.6	141	129	31.4
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	430	83.6	598	971	101
Aliphatics >C12-C16	<100 µg/kg	TM173		17100	549000	15700	88400	586000	9230
Aliphatics >C16-C21	<100 µg/kg	TM173		136000	1790000	52800	288000	792000	31200
Aliphatics >C21-C35	<100 µg/kg	TM173		303000	624000	26600	276000	286000	36800
Aliphatics >C35-C44	<100 µg/kg	TM173		36300	31600	<100	39300	6770	3270
Total Aliphatics >C12-C44	<100 µg/kg	TM173		493000	3000000	95100	691000	1670000	80400
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	104	22.6	101	86.2	21.3
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	286	55.4	399	647	67.2
Aromatics >EC12-EC16	<100 µg/kg	TM173		4350	34800	547	21300	24900	1730
Aromatics >EC16-EC21	<100 µg/kg	TM173		49800	504000	3770	154000	135000	14800
Aromatics >EC21-EC35	<100 µg/kg	TM173		171000	471000	10600	244000	98800	26300
Aromatics >EC35-EC44	<100 µg/kg	TM173		45700	81600	3110	60300	12000	4860
Aromatics >EC40-EC44	<100 µg/kg	TM173		18800	30200	1180	22400	4150	1570
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		271000	1090000	18000	480000	271000	47800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		764000	4090000	113000	1170000	1940000	128000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

TPH CWG (S)

Results Legend		Customer Sample R	IP044	IP044	IP044	IP045	IP045	IP045
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
		Sample Time	.	.	.	.	.	.
		Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
		SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
(F)	Trigger breach confirmed	Lab Sample No.(s)	9559526	9559531	9559536	9559541	9559545	9559549
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	84	133	99	67	91	92
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	466 M	160000 M	1380 M	7510 M	12400 M	925 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	101 M	24.4 M	<100 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<40 M	67.7 M	<10 M	<200 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<8 M	<8 M	<2 M	<40 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<12 M	<12 M	<3 M	<60 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M	<24 M	<6 M	<120 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M	<12 M	<3 M	<60 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	67.7	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	178	22.2	<200	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	58	27200	427	364	384	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	82.1	63100	374	866	1160	101
Aliphatics >C10-C12	<10 µg/kg	TM089	154	16500	169	3360	6050	421
Aliphatics >C12-C16	<100 µg/kg	TM173	47900	275	5060	1220000	24800	723
Aliphatics >C16-C21	<100 µg/kg	TM173	313000	858	12700	5380000	86000	5750
Aliphatics >C21-C35	<100 µg/kg	TM173	557000	<100	15500	7350000	78700	7010
Aliphatics >C35-C44	<100 µg/kg	TM173	73900	<100	857	807000	4800	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	992000	1130	34100	14800000	194000	13500
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	67.7	<10	<200	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	<10	<200	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	60.2	42100	250	602	774	74.4
Aromatics >EC10-EC12	<10 µg/kg	TM089	103	11000	112	2240	4040	281
Aromatics >EC12-EC16	<100 µg/kg	TM173	9750	<100	414	545000	3790	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	115000	<100	3770	3530000	37800	1990
Aromatics >EC21-EC35	<100 µg/kg	TM173	395000	<100	6220	5250000	64200	3120
Aromatics >EC35-EC44	<100 µg/kg	TM173	94300	<100	<100	886000	13000	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	35300	<100	<100	317000	4620	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	614000	<100	10400	10200000	119000	5110
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1610000	161000	45800	25000000	326000	19500

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP047	IP047	IP047	IP055	IP055	IP055
			Depth (m)	0.50	1.30	2.10	0.50	1.50	2.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559555	9559559	9559567	9559571	9559575	9559579
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76	88	96	62	109	107
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		760 M	1220 M	151000 M	9280 M	148000 M	166000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<20 M	323 M	<20 M	<25 M	464 M
Benzene	<10 µg/kg	TM089		<10 M	<40 M	87.7 M	<40 M	<50 M	<100 M
Toluene	<2 µg/kg	TM089		2.17 M	<8 M	<8 M	<8 M	<10 M	<20 M
Ethylbenzene	<3 µg/kg	TM089		14.1 M	<12 M	<12 M	80.1 M	<15 M	<30 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<24 M	<24 M	<24 M	<30 M	<60 M
o-Xylene	<3 µg/kg	TM089		8.66 M	<12 M	<12 M	117 M	<15 M	<30 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	117	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	87.7	197	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<40	313	<40	66.6	1220
Aliphatics >C6-C8	<10 µg/kg	TM089		59.6	150	21100	255	6970	34000
Aliphatics >C8-C10	<10 µg/kg	TM089		162	296	46700	2090	53900	57000
Aliphatics >C10-C12	<10 µg/kg	TM089		237	336	30600	3190	30900	21200
Aliphatics >C12-C16	<100 µg/kg	TM173		75900	172000	315	83900	2400	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		364000	687000	<100	435000	<100	696
Aliphatics >C21-C35	<100 µg/kg	TM173		530000	875000	<100	460000	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		58100	89800	<100	39600	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1030000	1820000	315	1020000	2400	696
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<40	87.7	<40	<50	<100
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<40	<40	<40	<50	<100
Aromatics >EC8-EC10	<10 µg/kg	TM089		131	197	31100	1590	35900	38000
Aromatics >EC10-EC12	<10 µg/kg	TM089		158	224	20400	2130	20600	14200
Aromatics >EC12-EC16	<100 µg/kg	TM173		38500	53700	1380	12100	440	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		217000	347000	<100	149000	1710	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		288000	378000	<100	275000	4110	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		45400	47400	<100	64800	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		16500	16000	<100	24700	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		590000	826000	1380	501000	6250	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1620000	2650000	152000	1530000	157000	166000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP075	IP075	IP075	IP076	IP076	IP076
			Depth (m)	0.50	1.50	2.50	0.50	1.20	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559404	9559408	9559412	9559416	9559421	9559426
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		95	95	86	81	61	92
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	<176 M	<176 M	369 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	10.7 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	<40	54.7	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	71.5	<40	<40	136	59.8
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	3290	35000	5550
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	25000	366000	29800
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	45700	140000	9330
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	9170	1620	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	83100	543000	44700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	<40	42.8	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	48.4	<40	<40	90.4	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	1430	6080	1150
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	2620	11100	63400	7570
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	9650	43100	85400	11300
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	3110	19700	6850	3300
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	1080	9230	2670	1260
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	15400	75200	162000	23300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	114	15400	158000	705000	68200

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP076	IP079	IP079	IP079	IP079	IP080
			Depth (m)	2.50	0.50	1.50	2.50	3.70	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559430	9559607	9559612	9559617	9559621	9559601
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		82	96	99	131	127	76
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1040 #	3810 M	2880 M	277000 M	505000 M	4070 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 #	<20 M	<20 M	1210 M	2330 M	<20 M
Benzene	<10 µg/kg	TM089		<40 #	<40 M	<40 M	568 M	722 M	<40 M
Toluene	<2 µg/kg	TM089		<8 #	<8 M	<8 M	<10 M	<20 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 #	<12 M	<12 M	<15 M	<30 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 #	<24 M	<24 M	<30 M	<60 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 #	<12 M	<12 M	<15 M	<30 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	568	722	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	3530	4120	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		49	855	234	131000	235000	167
Aliphatics >C8-C10	<10 µg/kg	TM089		77.5	1060	644	70500	128000	787
Aliphatics >C10-C12	<10 µg/kg	TM089		506	693	924	13600	29600	1550
Aliphatics >C12-C16	<100 µg/kg	TM173		11600	54900	222000	333000	302000	195000
Aliphatics >C16-C21	<100 µg/kg	TM173		10700	216000	504000	372000	316000	630000
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	169000	473000	102000	65900	839000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	14100	45200	2340	857	97200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		22300	455000	1240000	808000	684000	1760000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	568	722	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<50	<100	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		57	705	432	47000	85600	525
Aromatics >EC10-EC12	<10 µg/kg	TM089		337	462	616	9070	19700	1030
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	2410	46400	120000	40900	48500
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	24200	255000	180000	74900	365000
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	59300	347000	70000	28900	573000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	12900	71200	7530	1260	104000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	4900	25800	2490	<100	36300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	98800	719000	377000	146000	1090000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		23300	557000	1970000	1460000	1330000	2860000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP081	IP081	IP081	IP084	IP084	IP084
			Depth (m)	0.50	1.50	2.50	0.50	1.50	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559583	9559587	9559591	9559707	9559711	9559715
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		85	72	120	34	34	107
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		495 M	5130 M	49400 M	<176 M	1860 M	60700 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	305 M	<20 M	56.2 M	<20 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	61.6 M	<40 M	<40 M	75 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	61.6	<24	<24	75
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	27.8	220	<40	67.1	454
Aliphatics >C6-C8	<10 µg/kg	TM089		59.5	319	11000	<40	759	13100
Aliphatics >C8-C10	<10 µg/kg	TM089		136	1090	17300	<40	233	10300
Aliphatics >C10-C12	<10 µg/kg	TM089		123	1780	5380	<40	330	17900
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	6150	25100	106000	444000	388000
Aliphatics >C16-C21	<100 µg/kg	TM173		1180	8170	34800	985000	2520000	408000
Aliphatics >C21-C35	<100 µg/kg	TM173		1790	4080	27000	1860000	4160000	120000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	1280	221000	552000	2580
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2970	18400	88200	3170000	7680000	917000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	61.6	<40	<40	75
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		90.4	724	11500	<40	175	6870
Aromatics >EC10-EC12	<10 µg/kg	TM089		82.1	1190	3590	<40	221	12000
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	623	4580	36100	194000	5270
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	3580	15300	611000	1620000	31900
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	4940	20000	2240000	3810000	30100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	3000	4020	509000	766000	6450
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	1900	1930	183000	279000	2880
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	12100	43900	3400000	6400000	73700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3470	35700	181000	6570000	14100000	1050000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP084	IP087	IP087	IP087	IP097	IP097
			Depth (m)	4.00	0.50	1.50	2.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559720	9562215	9562216	9562217	9559369	9559373
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		124	91	123	124	92	98
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		140000 #	6720 M	202000 M	327000 M	438 M	4060 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		445 #	51.2 M	2140 M	1190 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<100 #	<40 M	92 M	171 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<20 #	<8 M	<8 M	<20 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<30 #	<12 M	<12 M	<30 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<60 #	<24 M	<24 M	<60 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<30 #	<12 M	<12 M	<30 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	92	171	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		1310	97.6	3870	2340	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		32900	1280	61300	82100	<40	155
Aliphatics >C8-C10	<10 µg/kg	TM089		35700	1580	53000	89400	42.4	1110
Aliphatics >C10-C12	<10 µg/kg	TM089		27500	1590	28000	55200	196	1230
Aliphatics >C12-C16	<100 µg/kg	TM173		861000	5300	1380000	340000	2840	82700
Aliphatics >C16-C21	<100 µg/kg	TM173		613000	6120	922000	234000	16800	378000
Aliphatics >C21-C35	<100 µg/kg	TM173		74300	2980	94700	27800	9930	207000
Aliphatics >C35-C44	<100 µg/kg	TM173		1610	<100	<100	<100	<100	11300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1550000	14400	2390000	602000	29600	679000
Aromatics >EC5-EC7	<10 µg/kg	TM089		106	<40	92	171	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<100	<40	<40	<100	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		23800	1050	35300	59600	<40	737
Aromatics >EC10-EC12	<10 µg/kg	TM089		18300	1060	18700	36800	131	818
Aromatics >EC12-EC16	<100 µg/kg	TM173		19300	<100	43600	125000	<100	1370
Aromatics >EC16-EC21	<100 µg/kg	TM173		66900	<100	116000	104000	1330	24000
Aromatics >EC21-EC35	<100 µg/kg	TM173		19200	<100	21900	18300	5430	58100
Aromatics >EC35-EC44	<100 µg/kg	TM173		808	<100	133	<100	405	16000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	6340
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		106000	<100	182000	247000	7170	99500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1800000	21100	2780000	1180000	37200	783000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP097	IP099	IP099	IP099	IP099	IP114
			Depth (m)	2.50	0.50	1.50	2.00	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559377	9559309	9559313	9559317	9559322	9559279
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		80	74	68	91	37	80
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1060 M	<176 M	55500 M	123000 M	55100 #	<880 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	1670 M	185 #	<100 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	272 M	171 #	<200 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<40 M	<8 #	<40 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<60 M	<12 #	<60 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<120 M	<24 #	<120 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<60 M	<12 #	<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	272	171	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	309	991	140	<200
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	30200	77700	47700	<200
Aliphatics >C8-C10	<10 µg/kg	TM089		63.3	<40	12700	23000	3720	<200
Aliphatics >C10-C12	<10 µg/kg	TM089		546	<40	2270	2190	459	<200
Aliphatics >C12-C16	<100 µg/kg	TM173		37000	3540	<100	2360	<100	200000
Aliphatics >C16-C21	<100 µg/kg	TM173		74500	35600	<100	<100	<100	1840000
Aliphatics >C21-C35	<100 µg/kg	TM173		25800	78100	<100	<100	<100	2920000
Aliphatics >C35-C44	<100 µg/kg	TM173		2900	13000	<100	<100	<100	398000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		140000	130000	<100	2360	<100	5360000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	272	171	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<200	<40	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		48.8	<40	8490	15300	2480	<200
Aromatics >EC10-EC12	<10 µg/kg	TM089		364	<40	1510	1460	306	<200
Aromatics >EC12-EC16	<100 µg/kg	TM173		2750	<100	<100	2630	<100	64600
Aromatics >EC16-EC21	<100 µg/kg	TM173		16900	6390	<100	4280	<100	1200000
Aromatics >EC21-EC35	<100 µg/kg	TM173		17400	28600	<100	9450	<100	4290000
Aromatics >EC35-EC44	<100 µg/kg	TM173		7240	7310	<100	<100	<100	931000
Aromatics >EC40-EC44	<100 µg/kg	TM173		3440	2700	<100	<100	<100	336000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		44200	42300	<100	16400	<100	6480000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		185000	172000	55500	140000	55000	11800000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP114	IP114	IP114	IP114	IP114	IP115
			Depth (m)	0.90	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	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559283	9559287	9559295	9559299	9559304	9559381
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		5	98	76	73	103	90
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3230 M	<176 M	<176 M	<176 M	<176 M	1210 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<10 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<2 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<3 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		23.8	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		140	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		672	<40	<40	46.6	<40	45.2
Aliphatics >C10-C12	<10 µg/kg	TM089		1160	<40	54.9	43.3	<40	655
Aliphatics >C12-C16	<100 µg/kg	TM173		4070000	4330	3330	1030	15500	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		12000000	21400	17100	16000	74500	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		13500000	28700	22400	27200	96500	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		1220000	2710	1410	1370	9440	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		30900000	57100	44200	45600	196000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		449	<40	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		776	<40	<40	<40	<40	437
Aromatics >EC12-EC16	<100 µg/kg	TM173		862000	1470	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		4660000	9020	3880	2760	24000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		4830000	14300	7800	12800	26600	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		654000	2430	918	2640	2480	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		229000	906	211	935	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		11000000	27200	12600	18200	53000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		41900000	84400	57000	64000	249000	1210

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP115	IP115	IP116	IP116	IP116	IP116
			Depth (m)	1.50	2.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559392	9559397	9559353	9559357	9559361	9559365
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		94	95	108	104	114	103
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	325 M	<176 M	298 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	47	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	67.7	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		54.9	135	<40	72.1	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	21900	3160	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	1700	54500	7150	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	6630	9450	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	8330	85900	10300	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	48	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	89.9	<40	48	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	2320	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	20300	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	627	4590	6030	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	627	4590	28600	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	952	12900	115000	10400	<100

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

TPH CWG (S)

Results Legend		Customer Sample R	IP135	IP135	IP135	IP135	IP141	IP141
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	0.50	1.00	1.50	2.50	0.50	1.50
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
		Sample Time	.	.	.	.	.	.
		Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
		SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
(F)	Trigger breach confirmed	Lab Sample No.(s)	9562212	9562213	9562214	9559275	9559480	9559484
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	16	8	81	94	52	103
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<44 M	5610 M	<176 M	<176 M	1020 M	20800 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	15 M	<2 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	<3 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<6 M	<6 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<3 M	<3 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	29	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	559	<40	<40	<40	78.9
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	1350	<40	<40	120	722
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	1660	<40	<40	475	11700
Aliphatics >C12-C16	<100 µg/kg	TM173	231000	8960000	5340	<100	159000	120000
Aliphatics >C16-C21	<100 µg/kg	TM173	1590000	33100000	20600	<100	734000	83300
Aliphatics >C21-C35	<100 µg/kg	TM173	3000000	36300000	27400	11300	804000	6090
Aliphatics >C35-C44	<100 µg/kg	TM173	393000	3280000	4170	<100	102000	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	5210000	81700000	57500	11300	1800000	210000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	15	<10	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	900	<40	<40	81.4	489
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	1110	<40	<40	317	7790
Aromatics >EC12-EC16	<100 µg/kg	TM173	77100	326000	1500	<100	19800	4930
Aromatics >EC16-EC21	<100 µg/kg	TM173	1060000	3800000	10400	<100	231000	13400
Aromatics >EC21-EC35	<100 µg/kg	TM173	3310000	6580000	22800	2020	384000	2590
Aromatics >EC35-EC44	<100 µg/kg	TM173	746000	1140000	7790	<100	85800	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	276000	403000	2790	<100	32200	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	5190000	11900000	42500	2020	720000	20900
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	10400000	93500000	100000	13300	2520000	252000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP141	IP142	IP142	IP143	IP143	IP143
			Depth (m)	2.60	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559490	9559494	9559499	9559503	9559507	9559516
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		103	95	92	80	78	101
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3770 M	<44 M	297 M	2620 M	1370 M	33200 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<5 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<10 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<2 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<3 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<6 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<3 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<10	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		79.5	<10	<40	97.8	103	2290
Aliphatics >C8-C10	<10 µg/kg	TM089		189	<10	<40	464	234	12600
Aliphatics >C10-C12	<10 µg/kg	TM089		2010	<10	129	1040	505	5960
Aliphatics >C12-C16	<100 µg/kg	TM173		86600	80200	2920	51400	4970	2790
Aliphatics >C16-C21	<100 µg/kg	TM173		60100	404000	11500	180000	31700	8450
Aliphatics >C21-C35	<100 µg/kg	TM173		8120	647000	13200	176000	36400	6360
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	75500	<100	23100	1920	254
Total Aliphatics >C12-C44	<100 µg/kg	TM173		155000	1210000	27600	430000	75000	17900
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<10	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<10	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		127	<10	<40	309	165	8390
Aromatics >EC10-EC12	<10 µg/kg	TM089		1340	<10	86	696	337	3970
Aromatics >EC12-EC16	<100 µg/kg	TM173		11200	17300	<100	13600	<100	370
Aromatics >EC16-EC21	<100 µg/kg	TM173		19600	189000	2550	96900	4620	5800
Aromatics >EC21-EC35	<100 µg/kg	TM173		4840	383000	5230	153000	12400	4130
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	68300	<100	43100	2220	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	24600	<100	16200	814	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		35600	657000	7780	307000	19200	10300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		194000	1860000	35700	740000	95600	61400

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP143	IP154	IP154	IP154	IP156	IP156
			Depth (m)	3.30	0.50	1.50	2.10	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559521	9559262	9559266	9559270	9559326	9559330
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		84	64	92	98	92	111
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		967 M	9030 M	666 M	3820 #	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<100 M	<20 M	<20 #	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<200 M	<40 M	<40 #	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<40 M	<8 M	34.4 #	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	<12 #	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<120 M	<24 M	<24 #	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	<12 #	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	34.4	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<200	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		158	412	147	110	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		261	1020	114	325	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		214	4100	188	1870	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		5000	10200000	<100	70700	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		24300	28600000	<100	189000	<100	15700
Aliphatics >C21-C35	<100 µg/kg	TM173		29000	31000000	2930	256000	314	44500
Aliphatics >C35-C44	<100 µg/kg	TM173		976	2940000	<100	31100	<100	4370
Total Aliphatics >C12-C44	<100 µg/kg	TM173		59300	72800000	2930	546000	314	64600
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<200	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		175	679	75.4	218	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		142	2730	125	1240	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		1820	2090000	<100	16900	<100	328
Aromatics >EC16-EC21	<100 µg/kg	TM173		11600	9270000	<100	106000	<100	5490
Aromatics >EC21-EC35	<100 µg/kg	TM173		14700	9700000	<100	150000	1410	36300
Aromatics >EC35-EC44	<100 µg/kg	TM173		1800	1400000	<100	21500	336	10500
Aromatics >EC40-EC44	<100 µg/kg	TM173		484	511000	<100	7900	<100	3750
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		29900	22500000	<100	295000	1750	52700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		90200	95300000	3590	845000	2070	117000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP156	IP156	IP156	IP166	IP166	IP166
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559335	9559345	9559349	9559235	9559241	9559245
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		112	90	74	94	91	88
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	432 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	54.2	63.8	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	114	<40	41	44.5
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	90.7	<40	<40	46.7
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	444	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	3350	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	6620	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	10400	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	81.8	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	60.5	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	174	<100	324	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		10600	<100	<100	3080	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		7020	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		3120	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		17600	174	<100	3400	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		17600	362	432	13800	<100	132

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP166	IP166	IP270	IP270	IP273	IP274
			Depth (m)	3.50	4.50	0.50	1.50	1.00	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559250	9559254	9559724	9559728	9559214	9559228
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		74	70	107	106	107 ♦	114
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		213 M	339 M	15800 M	70100 M	409000 ♦ M	<176 #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<100 ♦ M	<20 #
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<200 ♦ M	<40 #
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<40 ♦ M	<8 #
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<60 ♦ M	<12 #
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<120 ♦ M	<24 #
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<60 ♦ M	<12 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9 ♦	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24 ♦	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<200 ♦	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	51.8	87	695 ♦	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		51.5	46.6	1890	10800	84100 ♦	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		51.5	138	7560	31200	161000 ♦	52
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	841	1670	116000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	64100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	1460	<100	25700	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	2940	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	2300	1670	208000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<200 ♦	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<200 ♦	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	1260	7170	56100 ♦	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	92.1	5040	20800	107000 ♦	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	29600	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	23000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	19300	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	7130	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	2090	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	79000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		143	339	18100	71800	697000	110

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP298	IP299	IP299	IP299	IP300	IP300
			Depth (m)	2.50	0.50	1.50	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559220	9559821	9559825	9559829	9559833	9559208
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		98	96	100	112	89	109
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		394000 M	321 M	152000 M	986000 M	27300 M	69700 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<50 M	<5 M	<25 M	<100 M	6.78 M	20.5 M
Benzene	<10 µg/kg	TM089		<100 M	<10 M	<50 M	<200 M	<10 M	34.2 M
Toluene	<2 µg/kg	TM089		<20 M	<2 M	<10 M	<40 M	19.2 M	113 M
Ethylbenzene	<3 µg/kg	TM089		<30 M	<3 M	<15 M	<60 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<60 M	<6 M	<30 M	<120 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<30 M	3.45 M	<15 M	<60 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	147
Aliphatics >C5-C6	<10 µg/kg	TM089		<100	<10	<50	<200	18.1	59.3
Aliphatics >C6-C8	<10 µg/kg	TM089		558	17.3	1560	5520	246	1600
Aliphatics >C8-C10	<10 µg/kg	TM089		66900	55.2	37400	210000	8090	21800
Aliphatics >C10-C12	<10 µg/kg	TM089		169000	122	52900	378000	8090	18900
Aliphatics >C12-C16	<100 µg/kg	TM173		22200	<100	222000	285000	166000	204000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	182000	248000	231000	257000
Aliphatics >C21-C35	<100 µg/kg	TM173		1460	1410	59500	88100	67500	8630
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	19200	25400	26400	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		23700	1410	483000	646000	491000	469000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<100	<10	<50	<200	<10	34.2
Aromatics >EC7-EC8	<10 µg/kg	TM089		<100	<10	<50	<200	19.2	113
Aromatics >EC8-EC10	<10 µg/kg	TM089		44600	42.6	24900	140000	5390	14600
Aromatics >EC10-EC12	<10 µg/kg	TM089		113000	81.7	35300	252000	5390	12600
Aromatics >EC12-EC16	<100 µg/kg	TM173		2480	<100	207000	206000	16300	51200
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	81000	95700	56100	79200
Aromatics >EC21-EC35	<100 µg/kg	TM173		2660	<100	27900	37200	42300	8690
Aromatics >EC35-EC44	<100 µg/kg	TM173		1860	<100	11300	11900	20900	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		468	<100	4340	3460	7480	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		7000	<100	327000	351000	136000	139000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		424000	1730	962000	1980000	654000	678000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP302	IP303	IP304	IP304	IP305	IP305
			Depth (m)	0.20	1.00	0.50	1.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559738	9559742	9559750	9559754	9559799	9559803
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		86	89	112	93	116	83
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		525 M	<176 M	40000 M	227000 M	281000 M	1000000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<25 M	<100 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<50 M	<200 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<10 M	<40 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<15 M	<60 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<30 M	<120 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<15 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	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<50	293
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	201	631	3080	15000
Aliphatics >C8-C10	<10 µg/kg	TM089		128	41.7	6680	45400	87800	329000
Aliphatics >C10-C12	<10 µg/kg	TM089		148	48.1	17200	90700	79100	262000
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	186000	680000	248000	316000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	250000	859000	209000	246000
Aliphatics >C21-C35	<100 µg/kg	TM173		4810	<100	18000	41000	5240	7870
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	1790	2680	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		4810	<100	455000	1580000	462000	570000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<50	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<50	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		105	<40	4450	30300	58500	219000
Aromatics >EC10-EC12	<10 µg/kg	TM089		98.6	<40	11400	60400	52700	175000
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	30100	259000	125000	175000
Aromatics >EC16-EC21	<100 µg/kg	TM173		730	<100	79400	350000	75200	81500
Aromatics >EC21-EC35	<100 µg/kg	TM173		4750	<100	14000	30300	3860	10300
Aromatics >EC35-EC44	<100 µg/kg	TM173		497	<100	5230	7310	<100	6530
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	2160	2540	<100	3390
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		5980	<100	129000	647000	205000	273000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		11300	110	624000	2460000	947000	1840000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP305	IP333	IP333	IP334	IP334	IP334
			Depth (m)	3.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559807	9559812	9559816	9559781	9559786	9559795
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		97	110	102	108	92	119
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		609000 M	34800 M	22300 M	276 M	73500 M	66200 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		202 M	<5 M	<20 M	<20 M	<5 M	<20 M
Benzene	<10 µg/kg	TM089		477 M	<10 M	<40 M	<40 M	<10 M	<40 M
Toluene	<2 µg/kg	TM089		<20 M	5.75 M	<8 M	<8 M	<2 M	12.4 M
Ethylbenzene	<3 µg/kg	TM089		<30 M	<3 M	<12 M	<12 M	<3 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<60 M	<6 M	<24 M	<24 M	<6 M	<24 M
o-Xylene	<3 µg/kg	TM089		<30 M	<3 M	<12 M	<12 M	<3 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		477	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		874	11.5	<40	<40	<10	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		24900	224	162	<40	723	605
Aliphatics >C8-C10	<10 µg/kg	TM089		185000	8840	2340	59.8	23900	19200
Aliphatics >C10-C12	<10 µg/kg	TM089		164000	11900	10900	82.8	19800	20200
Aliphatics >C12-C16	<100 µg/kg	TM173		320000	61800	<100	<100	284000	139000
Aliphatics >C16-C21	<100 µg/kg	TM173		252000	9440	<100	<100	135000	94100
Aliphatics >C21-C35	<100 µg/kg	TM173		8600	3120	<100	<100	6840	2580
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		580000	74300	<100	<100	427000	235000
Aromatics >EC5-EC7	<10 µg/kg	TM089		477	<10	<40	<40	<10	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<100	<10	<40	<40	<10	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		123000	5890	1560	46	15900	12800
Aromatics >EC10-EC12	<10 µg/kg	TM089		110000	7930	7280	55.2	13200	13400
Aromatics >EC12-EC16	<100 µg/kg	TM173		56800	26200	<100	<100	5830	32900
Aromatics >EC16-EC21	<100 µg/kg	TM173		48600	4600	<100	<100	5490	25600
Aromatics >EC21-EC35	<100 µg/kg	TM173		7280	3600	<100	<100	2420	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		2100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		916	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		115000	34400	<100	<100	13700	58500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1300000	144000	22300	276	514000	360000

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP335	IP335	IP335	IP336	IP390	IP390
			Depth (m)	0.50	1.50	2.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559760	9559765	9559773	9559746	9559201	9559258
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		110	110	99	108	95	88
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		280 M	16900 M	12900 M	<176 M	268 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	82.4	133	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		60.2	2880	3400	41.4	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		90.9	7180	4250	47.7	105	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	37800	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	41100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		1510	4110	1680	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1510	4110	80600	<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		47.2	1920	2270	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		61.4	4790	2830	<40	69	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	349	7380	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	390	12200	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	8240	3020	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	8980	22600	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1790	30000	116000	109	167	<100

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP393	IP398	IP398	IP414	IP414	IP415
			Depth (m)	0.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559194	9559732	9559791	9559291	9559339	9559461
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		85	91	89	91	92	85
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	283 M	<176 M	<176 M	<176 M	341 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	<40	<40	40.1
Aliphatics >C10-C12	<10 µg/kg	TM089		55	119	<40	<40	50.6	145
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	3940
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	150
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	2680	<100	<100	<100	1100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	2680	<100	<100	<100	5190
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	78.8	<40	<40	<40	97
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		5790	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		29300	<100	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		8140	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		2660	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		43300	<100	<100	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		43400	2970	<100	<100	<100	5530

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP415	IP416	IP416	IP421	IP421	IP443
			Depth (m)	1.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014	02/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014	04/07/2014
			SDG Ref	140704-109	140704-109	140704-109	140704-109	140704-109	140704-109
			Lab Sample No.(s)	9559511	9559563	9559595	9559643	9559689	9559436
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		70	83	80	86	85	104
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		202000 M	279 M	204000 M	<176 #	156000 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 #	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 #	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 #	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 #	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 #	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 #	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		1040	<40	217	<40	212	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		37000	43.4	40700	<40	19900	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		83500	102	81600	<40	73600	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		839000	<100	519000	<100	1580000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		20700	<100	7010	<100	31000	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		7030	<100	<100	665	848	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		866000	<100	526000	665	1610000	<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		24700	<40	27100	<40	13200	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		55700	68.3	54400	<40	49100	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		32700	<100	108000	<100	278000	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		5470	<100	5360	<100	12000	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	3640	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	4210	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	2660	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		38200	<100	121000	<100	290000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1110000	279	851000	665	2050000	<100

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

TPH CWG (S)

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

Customer Sample R	IP445
Depth (m)	0.50
Sample Type	Soil/Solid
Date Sampled	02/07/2014
Sample Time	.
Date Received	04/07/2014
SDG Ref	140704-109
Lab Sample No.(s)	9559386
AGS Reference	

Component	LOD/Units	Method	
GRO Surrogate % recovery**	%	TM089	87
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	314 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M
Benzene	<10 µg/kg	TM089	<40 M
Toluene	<2 µg/kg	TM089	12.5 M
Ethylbenzene	<3 µg/kg	TM089	<12 M
m,p-Xylene	<6 µg/kg	TM089	<24 M
o-Xylene	<3 µg/kg	TM089	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	50.1
Aliphatics >C10-C12	<10 µg/kg	TM089	91.9
Aliphatics >C12-C16	<100 µg/kg	TM173	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	6270
Aliphatics >C35-C44	<100 µg/kg	TM173	9200
Total Aliphatics >C12-C44	<100 µg/kg	TM173	15500
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	59.5
Aromatics >EC10-EC12	<10 µg/kg	TM089	61.6
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	9900
Aromatics >EC35-EC44	<100 µg/kg	TM173	15200
Aromatics >EC40-EC44	<100 µg/kg	TM173	7570
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	25100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	40900

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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	IP038 0.60 SOLID 02/07/2014 00:00:00 140704-109 9559442 TM048	16/7/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP039 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559447 TM048	16/7/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP040 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559465 TM048	16/7/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP044 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559526 TM048	16/7/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP045 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559541 TM048	16/7/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

		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	IP047 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559555 TM048	16/7/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP055 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559571 TM048	16/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP076 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559416 TM048	16/7/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP080 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559601 TM048	16/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP081 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559583 TM048	16/7/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP087 0.50 SOLID 02/07/2014 00:00:00 140704-109 9562215 TM048	16/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

		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	IP141 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559480 TM048	16/7/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP143 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559503 TM048	16/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP390 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559201 TM048	16/7/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP393 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559194 TM048	16/7/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP398 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559732 TM048	16/7/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP414 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559291 TM048	16/7/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

		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	IP414 1.50 SOLID 02/07/2014 00:00:00 140704-109 9559339 TM048	16/7/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP415 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559461 TM048	16/07/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP416 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559563 TM048	16/7/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP421 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559643 TM048	16/7/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP443 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559436 TM048	16/7/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP445 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559386 TM048	16/07/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP141 0.50 SOLID 02/07/2014 00:00:00 140704-109 9559480 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Test Completion Dates

Lab Sample No(s)	9559673	9559677	9559681	9559685	9559660	9559664	9559669	9559647	9559652	9559656
Customer Sample Ref.	IP017	IP017	IP017	IP017	IP018	IP018	IP018	IP019	IP019	IP019
AGS Ref.										
Depth	0.50	1.50	2.90	4.00	0.50	2.00	3.00	0.50	1.50	2.75
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	17-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014
EPH CWG (Aromatic) GC (S)	17-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014
PAH by GCMS	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014
pH	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014
Sample description	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014
TPH CWG GC (S)	17-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014

Lab Sample No(s)	9559625	9559629	9559633	9559637	9559694	9559698	9559702	9559442	9559447	9559452
Customer Sample Ref.	IP020	IP020	IP020	IP020	IP024	IP024	IP024	IP038	IP039	IP039
AGS Ref.										
Depth	0.50	1.50	2.50	3.50	1.50	2.90	4.00	0.60	0.50	1.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples								16-Jul-2014	16-Jul-2014	
EPH CWG (Aliphatic) GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	15-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	16-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	16-Jul-2014	15-Jul-2014
Metals in solid samples by OES	11-Jul-2014	11-Jul-2014	10-Jul-2014	11-Jul-2014	10-Jul-2014	15-Jul-2014	10-Jul-2014	15-Jul-2014	15-Jul-2014	11-Jul-2014
PAH by GCMS	10-Jul-2014	10-Jul-2014	11-Jul-2014	10-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014
pH	15-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014
Sample description	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	07-Jul-2014	07-Jul-2014	07-Jul-2014	10-Jul-2014	10-Jul-2014	08-Jul-2014
TPH CWG GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	15-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014

Lab Sample No(s)	9559456	9559465	9559470	9559475	9559526	9559531	9559536	9559541	9559545	9559549
Customer Sample Ref.	IP039	IP040	IP040	IP040	IP044	IP044	IP044	IP045	IP045	IP045
AGS Ref.										
Depth	2.00	0.50	1.50	2.50	0.50	1.50	2.50	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		16-Jul-2014			16-Jul-2014			16-Jul-2014		
EPH CWG (Aliphatic) GC (S)	15-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014
EPH CWG (Aromatic) GC (S)	15-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	14-Jul-2014	14-Jul-2014	16-Jul-2014	15-Jul-2014	17-Jul-2014	15-Jul-2014	14-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	15-Jul-2014	15-Jul-2014	11-Jul-2014	11-Jul-2014	15-Jul-2014	11-Jul-2014	11-Jul-2014	15-Jul-2014	11-Jul-2014	11-Jul-2014
PAH by GCMS	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	11-Jul-2014	11-Jul-2014	13-Jul-2014	11-Jul-2014	11-Jul-2014
pH	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014
Sample description	10-Jul-2014	10-Jul-2014	08-Jul-2014	08-Jul-2014	10-Jul-2014	08-Jul-2014	08-Jul-2014	10-Jul-2014	08-Jul-2014	08-Jul-2014
TPH CWG GC (S)	15-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014

Lab Sample No(s)	9559555	9559559	9559567	9559571	9559575	9559579	9559404	9559408	9559412	9559416
Customer Sample Ref.	IP047	IP047	IP047	IP055	IP055	IP055	IP075	IP075	IP075	IP076
AGS Ref.										
Depth	0.50	1.30	2.10	0.50	1.50	2.20	0.50	1.50	2.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	16-Jul-2014			16-Jul-2014						16-Jul-2014
EPH CWG (Aliphatic) GC (S)	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	14-Jul-2014	15-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	15-Jul-2014	11-Jul-2014	11-Jul-2014	15-Jul-2014	10-Jul-2014	10-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014
PAH by GCMS	13-Jul-2014	11-Jul-2014	11-Jul-2014	13-Jul-2014	11-Jul-2014	11-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014
pH	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014
Sample description	10-Jul-2014	08-Jul-2014	08-Jul-2014	11-Jul-2014	08-Jul-2014	08-Jul-2014	09-Jul-2014	09-Jul-2014	09-Jul-2014	10-Jul-2014
Total Organic Carbon								11-Jul-2014		
TPH CWG GC (S)	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Lab Sample No(s)	9559421	9559426	9559430	9559607	9559612	9559617	9559621	9559601	9559583	9559587
Customer Sample Ref.	IP076	IP076	IP076	IP079	IP079	IP079	IP079	IP080	IP081	IP081
AGS Ref.										
Depth	1.20	1.50	2.50	0.50	1.50	2.50	3.70	0.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples								16-Jul-2014	16-Jul-2014	
EPH CWG (Aliphatic) GC (S)	15-Jul-2014	16-Jul-2014	15-Jul-2014	15-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014
EPH CWG (Aromatic) GC (S)	15-Jul-2014	16-Jul-2014	15-Jul-2014	15-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	17-Jul-2014	15-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	11-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	15-Jul-2014	15-Jul-2014	11-Jul-2014
PAH by GCMS	13-Jul-2014	13-Jul-2014	11-Jul-2014	10-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014
pH	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014
Sample description	09-Jul-2014	09-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	11-Jul-2014	11-Jul-2014	08-Jul-2014
TPH CWG GC (S)	17-Jul-2014	16-Jul-2014	15-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014

Lab Sample No(s)	9559591	9559707	9559711	9559715	9559720	9562215	9562216	9562217	9559369	9559373
Customer Sample Ref.	IP081	IP084	IP084	IP084	IP084	IP087	IP087	IP087	IP097	IP097
AGS Ref.										
Depth	2.50	0.50	1.50	3.00	4.00	0.50	1.50	2.80	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples						16-Jul-2014				
EPH CWG (Aliphatic) GC (S)	17-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014
GRO by GC-FID (S)	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	11-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	16-Jul-2014	14-Jul-2014	14-Jul-2014	11-Jul-2014	15-Jul-2014
PAH by GCMS	13-Jul-2014	11-Jul-2014	11-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	12-Jul-2014	12-Jul-2014	11-Jul-2014	13-Jul-2014
pH	14-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014
Sample description	08-Jul-2014	08-Jul-2014	08-Jul-2014	07-Jul-2014	07-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	08-Jul-2014	08-Jul-2014
Total Organic Carbon						15-Jul-2014				
TPH CWG GC (S)	17-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014

Lab Sample No(s)	9559377	9559309	9559313	9559317	9559322	9559279	9559283	9559287	9559295	9559299
Customer Sample Ref.	IP097	IP099	IP099	IP099	IP099	IP114	IP114	IP114	IP114	IP114
AGS Ref.										
Depth	2.50	0.50	1.50	2.00	2.50	0.50	0.90	1.50	2.50	3.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014
GRO by GC-FID (S)	15-Jul-2014	15-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	15-Jul-2014	11-Jul-2014	15-Jul-2014	11-Jul-2014	11-Jul-2014
PAH by GCMS	11-Jul-2014	10-Jul-2014	12-Jul-2014	13-Jul-2014	10-Jul-2014	13-Jul-2014	11-Jul-2014	13-Jul-2014	10-Jul-2014	10-Jul-2014
pH	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014
Sample description	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	09-Jul-2014	08-Jul-2014	09-Jul-2014	08-Jul-2014	08-Jul-2014
Total Organic Carbon		10-Jul-2014								
TPH CWG GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014

Lab Sample No(s)	9559304	9559381	9559392	9559397	9559353	9559357	9559361	9559365	9559275	9562212
Customer Sample Ref.	IP114	IP115	IP115	IP115	IP116	IP116	IP116	IP116	IP135	IP135
AGS Ref.										
Depth	4.50	0.50	1.50	2.50	0.50	1.50	2.50	3.50	2.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014
GRO by GC-FID (S)	14-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	16-Jul-2014	15-Jul-2014	16-Jul-2014
Metals in solid samples by OES	11-Jul-2014	10-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	11-Jul-2014	14-Jul-2014
PAH by GCMS	09-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	12-Jul-2014
pH	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014
Sample description	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	10-Jul-2014
TPH CWG GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Lab Sample No(s)	9562213	9562214	9559480	9559484	9559490	9559494	9559499	9559503	9559507	9559516
Customer Sample Ref.	IP135	IP135	IP141	IP141	IP141	IP142	IP142	IP143	IP143	IP143
AGS Ref.										
Depth	1.00	1.50	0.50	1.50	2.60	0.50	1.50	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			16-Jul-2014					16-Jul-2014		
Asbestos Quantification - Full			25-Jul-2014							
EPH CWG (Aliphatic) GC (S)	17-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	17-Jul-2014
EPH CWG (Aromatic) GC (S)	17-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	16-Jul-2014	15-Jul-2014	16-Jul-2014	15-Jul-2014	15-Jul-2014	16-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	14-Jul-2014	14-Jul-2014	15-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	15-Jul-2014	11-Jul-2014	11-Jul-2014
PAH by GCMS	12-Jul-2014	12-Jul-2014	13-Jul-2014	11-Jul-2014	11-Jul-2014	13-Jul-2014	11-Jul-2014	13-Jul-2014	11-Jul-2014	11-Jul-2014
pH	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014
Sample description	10-Jul-2014	10-Jul-2014	11-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	11-Jul-2014	08-Jul-2014	08-Jul-2014
TPH CWG GC (S)	17-Jul-2014	16-Jul-2014	16-Jul-2014	15-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	17-Jul-2014

Lab Sample No(s)	9559521	9559262	9559266	9559270	9559326	9559330	9559335	9559345	9559349	9559235
Customer Sample Ref.	IP143	IP154	IP154	IP154	IP156	IP156	IP156	IP156	IP156	IP166
AGS Ref.										
Depth	3.30	0.50	1.50	2.10	0.50	1.50	2.50	3.50	4.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014
EPH CWG (Aromatic) GC (S)	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	15-Jul-2014
GRO by GC-FID (S)	15-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	16-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	11-Jul-2014
PAH by GCMS	11-Jul-2014	13-Jul-2014	13-Jul-2014	13-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014
pH	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Sample description	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014
TPH CWG GC (S)	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014

Lab Sample No(s)	9559241	9559245	9559250	9559254	9559724	9559728	9559214	9559228	9559220	9559821
Customer Sample Ref.	IP166	IP166	IP166	IP166	IP270	IP270	IP273	IP274	IP298	IP299
AGS Ref.										
Depth	1.50	2.50	3.50	4.50	0.50	1.50	1.00	1.50	2.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014
Metals in solid samples by OES	15-Jul-2014	11-Jul-2014	15-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014
PAH by GCMS	13-Jul-2014	11-Jul-2014	13-Jul-2014	11-Jul-2014	13-Jul-2014	13-Jul-2014	10-Jul-2014	11-Jul-2014	10-Jul-2014	11-Jul-2014
pH	14-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014
Sample description	09-Jul-2014	08-Jul-2014	09-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014
Total Organic Carbon							10-Jul-2014			
TPH CWG GC (S)	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014

Lab Sample No(s)	9559825	9559829	9559208	9559833	9559738	9559742	9559750	9559754	9559799	9559803
Customer Sample Ref.	IP299	IP299	IP300	IP300	IP302	IP303	IP304	IP304	IP305	IP305
AGS Ref.										
Depth	1.50	2.50	1.50	0.50	0.20	1.00	0.50	1.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	15-Jul-2014	17-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014
PAH by GCMS	11-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	09-Jul-2014	10-Jul-2014	13-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014
pH	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Sample description	09-Jul-2014	09-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	07-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014
TPH CWG GC (S)	16-Jul-2014	17-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	17-Jul-2014	16-Jul-2014

CERTIFICATE OF ANALYSIS

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

Lab Sample No(s)	9559807	9559812	9559816	9559781	9559786	9559795	9559760	9559765	9559773	9559746
Customer Sample Ref.	IP305	IP333	IP333	IP334	IP334	IP334	IP335	IP335	IP335	IP336
AGS Ref.										
Depth	3.50	1.50	2.50	0.50	1.50	2.50	0.50	1.50	2.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	16-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	15-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	15-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014	14-Jul-2014
Metals in solid samples by OES	10-Jul-2014	10-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014	11-Jul-2014
PAH by GCMS	10-Jul-2014	11-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014
pH	15-Jul-2014	14-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Sample description	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014
TPH CWG GC (S)	16-Jul-2014	17-Jul-2014	17-Jul-2014	15-Jul-2014	15-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014

Lab Sample No(s)	9559201	9559258	9559194	9559732	9559791	9559291	9559339	9559461	9559511	9559563
Customer Sample Ref.	IP390	IP390	IP393	IP398	IP398	IP414	IP414	IP415	IP415	IP416
AGS Ref.										
Depth	0.50	1.50	0.50	0.50	1.50	0.50	1.50	0.50	1.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	16-Jul-2014		16-Jul-2014	16-Jul-2014		16-Jul-2014	16-Jul-2014	16-Jul-2014		16-Jul-2014
EPH CWG (Aliphatic) GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	15-Jul-2014	11-Jul-2014	15-Jul-2014	15-Jul-2014	11-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	11-Jul-2014	15-Jul-2014
PAH by GCMS	10-Jul-2014	10-Jul-2014	12-Jul-2014	10-Jul-2014	11-Jul-2014	10-Jul-2014	10-Jul-2014	10-Jul-2014	11-Jul-2014	13-Jul-2014
pH	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	16-Jul-2014
Sample description	08-Jul-2014	08-Jul-2014	10-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	08-Jul-2014	11-Jul-2014
Total Organic Carbon					10-Jul-2014					
TPH CWG GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014

Lab Sample No(s)	9559595	9559643	9559689	9559436	9559386
Customer Sample Ref.	IP416	IP421	IP421	IP443	IP445
AGS Ref.					
Depth	1.50	0.50	1.50	0.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		16-Jul-2014		16-Jul-2014	16-Jul-2014
EPH CWG (Aliphatic) GC (S)	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
EPH CWG (Aromatic) GC (S)	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014
GRO by GC-FID (S)	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Metals in solid samples by OES	10-Jul-2014	15-Jul-2014	11-Jul-2014	15-Jul-2014	15-Jul-2014
PAH by GCMS	11-Jul-2014	13-Jul-2014	11-Jul-2014	13-Jul-2014	10-Jul-2014
pH	14-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014	15-Jul-2014
Sample description	08-Jul-2014	10-Jul-2014	08-Jul-2014	10-Jul-2014	08-Jul-2014
TPH CWG GC (S)	17-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014	16-Jul-2014

SDG:	140704-109	**Location:**	Coed Darcy	**Order Number:**	CD0730
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	278130
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	277253

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
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Attention: Fiona McMillan

CERTIFICATE OF ANALYSIS

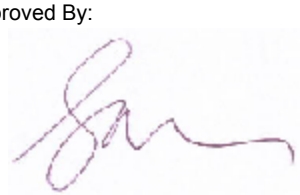
Date:	26 June 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140613-104
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	274811

We received 112 samples on Friday June 13, 2014 and 112 of these samples were scheduled for analysis which was completed on Thursday June 26, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9437107	TP 6060		0.30	11/06/2014
9437217	TP 6060		1.30	11/06/2014
9437276	TP 6060		2.50	11/06/2014
9437331	TP 6060		3.50	11/06/2014
9437378	TP 6061		0.20	11/06/2014
9437433	TP 6061		1.20	11/06/2014
9437482	TP 6061		2.60	11/06/2014
9437547	TP 6061		3.90	11/06/2014
9437608	TP 6062		0.20	11/06/2014
9437111	TP 6062		1.30	11/06/2014
9437160	TP 6062		2.60	11/06/2014
9437180	TP 6063		0.30	11/06/2014
9437185	TP 6063		0.90	11/06/2014
9437189	TP 6064		0.40	11/06/2014
9437194	TP 6064		1.40	11/06/2014
9437199	TP 6064		2.60	11/06/2014
9437203	TP 6064		3.80	11/06/2014
9437209	TP 6065		0.40	11/06/2014
9437213	TP 6065		1.50	11/06/2014
9437221	TP 6065		2.50	11/06/2014
9437225	TP 6066		0.40	11/06/2014
9437229	TP 6066		1.20	11/06/2014
9437233	TP 6066		2.50	11/06/2014
9437237	TP 6066		3.60	11/06/2014
9437242	TP 6067		0.30	11/06/2014
9437249	TP 6067		1.40	11/06/2014
9437255	TP 6067		2.50	11/06/2014
9437261	TP 6068		0.40	11/06/2014
9437270	TP 6068		1.40	11/06/2014
9437280	TP 6068		2.80	11/06/2014
9437286	TP 6068		4.00	11/06/2014
9437291	TP 6069		0.40	11/06/2014
9437299	TP 6069		1.40	11/06/2014
9437304	TP 6069		2.60	11/06/2014
9437308	TP 6069		3.90	11/06/2014
9437336	TP 6078		0.70	11/06/2014
9437340	TP 6078		1.70	11/06/2014
9437345	TP 6078		2.70	11/06/2014
9437349	TP 6078		3.50	11/06/2014
9437354	TP 6079		0.30	11/06/2014
9437358	TP 6079		1.00	11/06/2014
9437362	TP 6079		2.50	11/06/2014
9437366	TP 6080		0.40	11/06/2014
9437370	TP 6080		1.60	11/06/2014
9437374	TP 6080		3.10	11/06/2014
9437382	TP 6081		0.40	11/06/2014
9437388	TP 6081		1.40	11/06/2014
9437392	TP 6081		3.00	11/06/2014
9437396	TP 6082		0.20	11/06/2014
9437401	TP 6082		0.90	11/06/2014
9437406	TP 6082		2.10	11/06/2014
9437411	TP 6082		3.50	11/06/2014
9437417	TP 6083		0.20 - 0.40	11/06/2014
9437423	TP 6083		1.00	11/06/2014
9437427	TP 6083		2.30	11/06/2014
9437437	TP 6083		3.50	11/06/2014

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

9437442	TP 6084	0.50	11/06/2014
9437446	TP 6084	1.60	11/06/2014
9437450	TP 6084	2.80	11/06/2014
9437454	TP 6084	4.00	11/06/2014
9437460	TP 6085	0.40	11/06/2014
9437464	TP 6085	1.10	11/06/2014
9437468	TP 6085	2.70	11/06/2014
9437473	TP 6085	3.70	11/06/2014
9437478	TP 6086	0.50	11/06/2014
9437490	TP 6086	1.60	11/06/2014
9437497	TP 6086	2.50	11/06/2014
9437502	TP 6087	0.50	11/06/2014
9437508	TP 6087	1.50	11/06/2014
9437516	TP 6087	2.70	11/06/2014
9437524	TP 6087	3.90	11/06/2014
9437529	TP 6088	0.40 - 0.60	11/06/2014
9437533	TP 6088	1.20	11/06/2014
9437538	TP 6088	2.40	11/06/2014
9437543	TP 6088	3.90	11/06/2014
9437551	TP 6089	0.30	11/06/2014
9437557	TP 6089	0.80	11/06/2014
9437561	TP 6089	2.00	11/06/2014
9437566	TP 6089	3.70	11/06/2014
9437571	TP 6090	0.20	11/06/2014
9437577	TP 6090	1.20	11/06/2014
9437585	TP 6090	2.50	11/06/2014
9437175	TP 6090	3.80	11/06/2014
9437590	TP 6091	0.10	11/06/2014
9437596	TP 6091	1.20	11/06/2014
9437602	TP 6091	2.50	11/06/2014
9437615	TP 6091	3.50	11/06/2014
9437622	TP 6092	0.40	11/06/2014
9437629	TP 6092	1.20	11/06/2014
9437635	TP 6092	2.50	11/06/2014
9437641	TP 6092	3.50	11/06/2014
9437648	TP 6093	0.30	11/06/2014
9437652	TP 6093	1.20	11/06/2014
9437656	TP 6093	2.50	11/06/2014
9437666	TP 6093	3.50	11/06/2014
9437672	TP 6094	0.20	11/06/2014
9437116	TP 6094	1.00	11/06/2014
9437121	TP 6094	2.00	11/06/2014
9437125	TP 6094	3.00	11/06/2014
9437170	TP 6094	4.00	11/06/2014
9437130	TP 6095	0.30	11/06/2014
9437134	TP 6095	1.30	11/06/2014
9437139	TP 6095	2.30	11/06/2014
9437143	TP 6095	3.30	11/06/2014
9437147	TP 6095	4.30	11/06/2014
9437152	TP 6096	0.20	11/06/2014
9437156	TP 6096	1.20	11/06/2014
9437165	TP 6096	2.20	11/06/2014
9437313	TP 6100	0.20	11/06/2014
9437319	TP 6100	0.90	11/06/2014
9437323	TP 6100	2.00	11/06/2014
9437327	TP 6100	3.40	11/06/2014

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

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9437107			9437217			9437276			9437331			9437378			9437433			9437482			9437547			9437608			9437111			9437160			9437180			9437185			9437189
Customer Sample Reference			TP 6060			TP 6060			TP 6060			TP 6060			TP 6061			TP 6061			TP 6061			TP 6061			TP 6062			TP 6062			TP 6062			TP 6063			TP 6063			TP 6064
AGS Reference																																										
Depth (m)			0.30			1.30			2.50			3.50			0.20			1.20			2.60			3.90			0.20			1.30			2.60			0.30			0.90			0.40
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35		X												X												X								X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 112		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 8	X												X												X															
TPH CWG GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			9437189		9437194			9437199			9437203			9437209			9437213			9437221			9437225			9437229			9437233			9437237			9437242			9437249			9437255	
Customer Sample Reference			TP 6064		TP 6064			TP 6064			TP 6064			TP 6065			TP 6065			TP 6065			TP 6066			TP 6066			TP 6066			TP 6066			TP 6067			TP 6067			TP 6067	
AGS Reference																																										
Depth (m)			0.40		1.40			2.60			3.80			0.40			1.50			2.50			0.40			1.20			2.50			3.60			0.30			1.40			2.50	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35	X												X									X												X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
9437255	TP 6067		2.50	60g VOC (ALE215)
9437261	TP 6068		0.40	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437270	TP 6068		1.40	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437280	TP 6068		2.80	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437286	TP 6068		4.00	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437291	TP 6069		0.40	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437299	TP 6069		1.40	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437304	TP 6069		2.60	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437308	TP 6069		3.90	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437336	TP 6078		0.70	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437340	TP 6078		1.70	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437345	TP 6078		2.70	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437349	TP 6078		3.50	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)
9437354	TP 6079		0.30	250g Amber Jar (AL 400g Tub (ALE214) 60g VOC (ALE215)

Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35	X X X X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112	X X X X X X X X X X X X X X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111	X X X X X X X X X X X X X X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112	X X X X X X X X X X X X X X
Metals in solid samples by OES	All	NDPs: 0 Tests: 112	X X X X X X X X X X X X X X
PAH by GCMS	All	NDPs: 0 Tests: 112	X X X X X X X X X X X X X X
pH	All	NDPs: 0 Tests: 112	X X X X X X X X X X X X X X
Sample description	All	NDPs: 0 Tests: 112	X X X X X X X X X X X X X X
Total Organic Carbon	All	NDPs: 0 Tests: 8	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 112	X X X X X X X X X X X X X X

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			9437358			9437362			9437366			9437370			9437374			9437382			9437388			9437392			9437396			9437401			9437406			9437411			9437417			9437423
Customer Sample Reference			TP 6079			TP 6079			TP 6080			TP 6080			TP 6080			TP 6081			TP 6081			TP 6081			TP 6082			TP 6082			TP 6082			TP 6082			TP 6083			TP 6083
AGS Reference																																											
Depth (m)			1.00			2.50			0.40			1.60			3.10			0.40			1.40			3.00			0.20			0.90			2.10			3.50			0.20 - 0.40			1.00
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35								X										X										X												X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 112		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 8																									X															X
TPH CWG GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			9437423		9437427			9437437			9437442			9437446			9437450			9437454			9437460			9437464			9437468			9437473			9437478			9437490			9437497	
Customer Sample Reference			TP 6083		TP 6083			TP 6083			TP 6084			TP 6084			TP 6084			TP 6084			TP 6085			TP 6085			TP 6085			TP 6085			TP 6086			TP 6086			TP 6086	
AGS Reference																																										
Depth (m)			1.00		2.30			3.50			0.50			1.60			2.80			4.00			0.40			1.10			2.70			3.70			0.50			1.60			2.50	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35	X									X												X												X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111			X			X			X			X			X			X			X			X			X						X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
9437497	TP 6086		2.50	60g VOC (ALE215)
9437502	TP 6087		0.50	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437508	TP 6087		1.50	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437516	TP 6087		2.70	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437524	TP 6087		3.90	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437529	TP 6088		0.40 - 0.60	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437533	TP 6088		1.20	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437538	TP 6088		2.40	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437543	TP 6088		3.90	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437551	TP 6089		0.30	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437557	TP 6089		0.80	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437561	TP 6089		2.00	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437566	TP 6089		3.70	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)
9437571	TP 6090		0.20	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)

Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35	9437502: 400g Tub (ALE214); 9437529: 400g Tub (ALE214); 9437551: 60g VOC (ALE215); 9437557: 400g Tub (ALE214); 9437571: 250g Amber Jar (AL
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112	9437497: 60g VOC (ALE215); 9437502: 250g Amber Jar (AL; 9437508: 250g Amber Jar (AL; 9437516: 250g Amber Jar (AL; 9437524: 250g Amber Jar (AL; 9437529: 400g Tub (ALE214); 9437533: 250g Amber Jar (AL; 9437538: 60g VOC (ALE215); 9437543: 250g Amber Jar (AL; 9437551: 400g Tub (ALE214); 9437557: 250g Amber Jar (AL; 9437561: 400g Tub (ALE214); 9437566: 250g Amber Jar (AL; 9437571: 250g Amber Jar (AL
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111	9437497: 60g VOC (ALE215); 9437502: 250g Amber Jar (AL; 9437508: 250g Amber Jar (AL; 9437516: 250g Amber Jar (AL; 9437524: 250g Amber Jar (AL; 9437529: 400g Tub (ALE214); 9437533: 250g Amber Jar (AL; 9437538: 60g VOC (ALE215); 9437543: 250g Amber Jar (AL; 9437551: 400g Tub (ALE214); 9437557: 250g Amber Jar (AL; 9437561: 400g Tub (ALE214); 9437566: 250g Amber Jar (AL; 9437571: 250g Amber Jar (AL
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112	9437497: 60g VOC (ALE215); 9437502: 400g Tub (ALE214); 9437508: 60g VOC (ALE215); 9437516: 60g VOC (ALE215); 9437524: 400g Tub (ALE214); 9437529: 60g VOC (ALE215); 9437533: 400g Tub (ALE214); 9437538: 60g VOC (ALE215); 9437543: 60g VOC (ALE215); 9437551: 60g VOC (ALE215); 9437557: 60g VOC (ALE215); 9437561: 60g VOC (ALE215); 9437566: 400g Tub (ALE214); 9437571: 60g VOC (ALE215)
Metals in solid samples by OES	All	NDPs: 0 Tests: 112	9437502: 250g Amber Jar (AL; 9437508: 250g Amber Jar (AL; 9437516: 250g Amber Jar (AL; 9437524: 250g Amber Jar (AL; 9437529: 400g Tub (ALE214); 9437533: 250g Amber Jar (AL; 9437538: 250g Amber Jar (AL; 9437543: 250g Amber Jar (AL; 9437551: 400g Tub (ALE214); 9437557: 250g Amber Jar (AL; 9437561: 400g Tub (ALE214); 9437566: 250g Amber Jar (AL; 9437571: 250g Amber Jar (AL
PAH by GCMS	All	NDPs: 0 Tests: 112	9437502: 250g Amber Jar (AL; 9437508: 250g Amber Jar (AL; 9437516: 250g Amber Jar (AL; 9437524: 250g Amber Jar (AL; 9437529: 400g Tub (ALE214); 9437533: 250g Amber Jar (AL; 9437538: 250g Amber Jar (AL; 9437543: 250g Amber Jar (AL; 9437551: 400g Tub (ALE214); 9437557: 250g Amber Jar (AL; 9437561: 400g Tub (ALE214); 9437566: 250g Amber Jar (AL; 9437571: 250g Amber Jar (AL
pH	All	NDPs: 0 Tests: 112	9437502: 400g Tub (ALE214); 9437508: 60g VOC (ALE215); 9437516: 60g VOC (ALE215); 9437524: 400g Tub (ALE214); 9437529: 60g VOC (ALE215); 9437533: 400g Tub (ALE214); 9437538: 60g VOC (ALE215); 9437543: 60g VOC (ALE215); 9437551: 60g VOC (ALE215); 9437557: 60g VOC (ALE215); 9437561: 60g VOC (ALE215); 9437566: 400g Tub (ALE214); 9437571: 60g VOC (ALE215)
Sample description	All	NDPs: 0 Tests: 112	9437502: 250g Amber Jar (AL; 9437508: 250g Amber Jar (AL; 9437516: 250g Amber Jar (AL; 9437524: 250g Amber Jar (AL; 9437529: 400g Tub (ALE214); 9437533: 250g Amber Jar (AL; 9437538: 250g Amber Jar (AL; 9437543: 250g Amber Jar (AL; 9437551: 400g Tub (ALE214); 9437557: 250g Amber Jar (AL; 9437561: 400g Tub (ALE214); 9437566: 250g Amber Jar (AL; 9437571: 250g Amber Jar (AL
Total Organic Carbon	All	NDPs: 0 Tests: 8	9437529: 400g Tub (ALE214)
TPH CWG GC (S)	All	NDPs: 0 Tests: 112	9437502: 250g Amber Jar (AL; 9437508: 250g Amber Jar (AL; 9437516: 250g Amber Jar (AL; 9437524: 250g Amber Jar (AL; 9437529: 400g Tub (ALE214); 9437533: 250g Amber Jar (AL; 9437538: 250g Amber Jar (AL; 9437543: 250g Amber Jar (AL; 9437551: 400g Tub (ALE214); 9437557: 250g Amber Jar (AL; 9437561: 400g Tub (ALE214); 9437566: 250g Amber Jar (AL; 9437571: 250g Amber Jar (AL

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9437577			9437585			9437175			9437590			9437596			9437602			9437615		
Customer Sample Reference			TP 6090			TP 6090			TP 6090			TP 6091			TP 6091			TP 6091			TP 6091		
AGS Reference																							
Depth (m)			1.20			2.50			3.80			0.10			1.20			2.50			3.50		
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35											X										
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111	X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 112		X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X		

Lab Sample No(s)			9437622			9437629			9437635			9437641			9437648			9437652			9437656
Customer Sample Reference			TP 6092			TP 6092			TP 6092			TP 6092			TP 6093			TP 6093			TP 6093
AGS Reference																					
Depth (m)			0.40			1.20			2.50			3.50			0.30			1.20			2.50
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35		X												X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111	X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 112		X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

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Results Legend

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

Lab Sample No(s)			9437656		9437666			9437672			9437116			9437121			9437125			9437170		
Customer Sample Reference			TP 6093		TP 6093			TP 6094			TP 6094			TP 6094			TP 6094			TP 6094		
AGS Reference																						
Depth (m)			2.50		3.50			0.20			1.00			2.00			3.00			4.00		
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35							X			X										
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112		X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 112			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 112			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 112			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 8																				
TPH CWG GC (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X		

Lab Sample No(s)			9437130			9437134			9437139			9437143			9437147			9437152			9437156	
Customer Sample Reference			TP 6095			TP 6095			TP 6095			TP 6095			TP 6095			TP 6096			TP 6096	
AGS Reference																						
Depth (m)			0.30			1.30			2.30			3.30			4.30			0.20			1.20	
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35		X															X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111	X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 112		X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 8																			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

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Results Legend

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

Lab Sample No(s)			9437156			9437165			9437313			9437319			9437323			9437327
Customer Sample Reference			TP 6096			TP 6096			TP 6100			TP 6100			TP 6100			TP 6100
AGS Reference																		
Depth (m)			1.20			2.20			0.20			0.90			2.00			3.40
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 35						X			X							
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 112		X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 111		X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 112	X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 112		X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 112		X			X			X			X			X		
pH	All	NDPs: 0 Tests: 112			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 112		X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 112		X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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
9437107	TP 6060	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437217	TP 6060	1.30	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9437276	TP 6060	2.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437331	TP 6060	3.50	Grey	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9437378	TP 6061	0.20	Black	Sandy Loam	0.1 - 2 mm	Crushed Brick	Stones
9437433	TP 6061	1.20	Dark Brown	Sandy Clay	0.1 - 2 mm	None	None
9437482	TP 6061	2.60	Beige	Sandy Silt Loam	0.1 - 2 mm	None	None
9437547	TP 6061	3.90	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
9437111	TP 6062	1.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437160	TP 6062	2.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437608	TP 6062	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437180	TP 6063	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437185	TP 6063	0.90	Beige	Sandy Silt Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9437189	TP 6064	0.40	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9437194	TP 6064	1.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437199	TP 6064	2.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437203	TP 6064	3.80	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437209	TP 6065	0.40	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9437213	TP 6065	1.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437221	TP 6065	2.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437225	TP 6066	0.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437229	TP 6066	1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437233	TP 6066	2.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437237	TP 6066	3.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437242	TP 6067	0.30	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9437249	TP 6067	1.40	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9437255	TP 6067	2.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
9437261	TP 6068	0.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437270	TP 6068	1.40	Dark Brown	Sandy Clay	0.063 - 0.1 mm	Stones	Oil/Petroleum
9437280	TP 6068	2.80	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9437286	TP 6068	4.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Oil/Petroleum
9437291	TP 6069	0.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437299	TP 6069	1.40	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A
9437304	TP 6069	2.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437308	TP 6069	3.90	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437336	TP 6078	0.70	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437340	TP 6078	1.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437345	TP 6078	2.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
9437349	TP 6078	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437354	TP 6079	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437358	TP 6079	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9437362	TP 6079	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437366	TP 6080	0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437370	TP 6080	1.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437374	TP 6080	3.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437382	TP 6081	0.40	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9437388	TP 6081	1.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437392	TP 6081	3.00	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437396	TP 6082	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437401	TP 6082	0.90	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437406	TP 6082	2.10	Grey	Loamy Sand	0.1 - 2 mm	Stones	None
9437411	TP 6082	3.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9437417	TP 6083	0.20 - 0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437423	TP 6083	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437427	TP 6083	2.30	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437437	TP 6083	3.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437442	TP 6084	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437446	TP 6084	1.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437450	TP 6084	2.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437454	TP 6084	4.00	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437460	TP 6085	0.40	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9437464	TP 6085	1.10	Dark Brown	Clay Loam	0.1 - 2 mm	Stones	None
9437468	TP 6085	2.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437473	TP 6085	3.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9437478	TP 6086	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437490	TP 6086	1.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437497	TP 6086	2.50	Black	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	None
9437502	TP 6087	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437508	TP 6087	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437516	TP 6087	2.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437524	TP 6087	3.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437529	TP 6088	0.40 - 0.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437533	TP 6088	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9437538	TP 6088	2.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9437543	TP 6088	3.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437551	TP 6089	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437557	TP 6089	0.80	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437561	TP 6089	2.00	Grey	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9437566	TP 6089	3.70	Grey	Sandy Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
9437175	TP 6090	3.80	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9437571	TP 6090	0.20	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Vegetation	None
9437577	TP 6090	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437585	TP 6090	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437590	TP 6091	0.10	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9437596	TP 6091	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437602	TP 6091	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437615	TP 6091	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9437622	TP 6092	0.40	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9437629	TP 6092	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437635	TP 6092	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437641	TP 6092	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9437648	TP 6093	0.30	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
9437652	TP 6093	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437656	TP 6093	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9437666	TP 6093	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437116	TP 6094	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437121	TP 6094	2.00	Grey	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
9437125	TP 6094	3.00	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437170	TP 6094	4.00	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437672	TP 6094	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9437130	TP 6095	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9437134	TP 6095	1.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9437139	TP 6095	2.30	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437143	TP 6095	3.30	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437147	TP 6095	4.30	Grey	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9437152	TP 6096	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437156	TP 6096	1.20	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437165	TP 6096	2.20	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9437313	TP 6100	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9437319	TP 6100	0.90	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Brick
9437323	TP 6100	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9437327	TP 6100	3.40	Grey	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:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6060	TP 6060	TP 6060	TP 6060	TP 6061	TP 6061
			Depth (m)	0.30	1.30	2.50	3.50	0.20	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437107	9437217	9437276	9437331	9437378	9437433
			AGS Reference						
Moisture Content Ratio	%	PM024		17	22	12	21	17	16
Soil Organic Matter (SOM)	<0.35 %	TM132		2.1 #				30 #	
pH	1 pH Units	TM133		6.14 M	6.05 M	5.73 M	6.07 M	6.53 M	7.22 M
Arsenic	<0.6 mg/kg	TM181		13.1 M	4.91 M	14 M	7.88 M	28.9 M	42.3 M
Cadmium	<0.02 mg/kg	TM181		0.249 M	0.0953 M	0.545 M	0.133 M	0.9 M	1.03 M
Chromium	<0.9 mg/kg	TM181		11 M	15.3 M	13.2 M	18.5 M	18.5 M	15.8 M
Copper	<1.4 mg/kg	TM181		15.1 M	11.5 M	21.2 M	12.6 M	588 M	103 M
Lead	<0.7 mg/kg	TM181		15.9 M	15.9 M	16.5 M	17.5 M	81.7 M	33.9 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		15 M	13.1 M	22.5 M	16.3 M	39.1 M	20.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	1.28 #
Vanadium	<0.2 mg/kg	TM181		12.2 #	20.1 #	15.4 #	24.3 #	32.2 #	20.5 #
Zinc	<1.9 mg/kg	TM181		44.4 M	32.6 M	61.9 M	44.2 M	382 M	146 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6061	TP 6061	TP 6062	TP 6062	TP 6062	TP 6063
			Depth (m)	2.60	3.90	0.20	1.30	2.60	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437482	9437547	9437608	9437111	9437160	9437180
			AGS Reference						
Moisture Content Ratio	%	PM024		19	15	12	14	17	12
Soil Organic Matter (SOM)	<0.35 %	TM132				2.81 #			
pH	1 pH Units	TM133		6.73 M	6.2 M	6.46 M	6.23 M	6 M	6.46 M
Arsenic	<0.6 mg/kg	TM181		13 M	14.6 M	22.8 M	23.3 M	27.3 M	26 M
Cadmium	<0.02 mg/kg	TM181		0.228 M	0.749 M	0.757 M	1.14 M	1.09 M	0.879 M
Chromium	<0.9 mg/kg	TM181		16.5 M	13.9 M	14.1 M	13.8 M	33.6 M	20.4 M
Copper	<1.4 mg/kg	TM181		22.2 M	24.2 M	41.9 M	39.6 M	87.2 M	63.9 M
Lead	<0.7 mg/kg	TM181		16.9 M	15.1 M	34.4 M	23.7 M	57.5 M	123 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	17.6 M
Nickel	<0.2 mg/kg	TM181		17.5 M	21.3 M	27.3 M	24.4 M	31.3 M	34.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.06 #	<1 #	<10 #
Vanadium	<0.2 mg/kg	TM181		20.8 #	19.2 #	18 #	17.7 #	30.2 #	18.8 #
Zinc	<1.9 mg/kg	TM181		61.3 M	70.9 M	108 M	101 M	243 M	128 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6063	TP 6064	TP 6064	TP 6064	TP 6064	TP 6065
			Depth (m)	0.90	0.40	1.40	2.60	3.80	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437185	9437189	9437194	9437199	9437203	9437209
			AGS Reference						
Moisture Content Ratio	%	PM024		16	13	13	13	16	11
pH	1 pH Units	TM133		6.23 M	5.33 M	6.42 M	6.19 M	6.2 M	6.04 M
Arsenic	<0.6 mg/kg	TM181		3.89 M	17.6 M	9.84 M	16.4 M	8.09 M	20.2 M
Cadmium	<0.02 mg/kg	TM181		0.0869 M	0.526 M	0.368 M	0.665 M	0.787 M	0.549 M
Chromium	<0.9 mg/kg	TM181		12.7 M	12.7 M	12.9 M	14.9 M	16 M	13.3 M
Copper	<1.4 mg/kg	TM181		6.5 M	38.7 M	21.5 M	29.9 M	9.67 M	40 M
Lead	<0.7 mg/kg	TM181		11.4 M	26.9 M	21.1 M	20.1 M	8.82 M	25.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		15.6 M	21.7 M	28.1 M	33.7 M	17.1 M	26 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	1.07 #
Vanadium	<0.2 mg/kg	TM181		14.1 #	16.3 #	14.9 #	15.6 #	19.6 #	15.9 #
Zinc	<1.9 mg/kg	TM181		27.5 M	83.1 M	75.4 M	95.6 M	82.3 M	98.4 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6065	TP 6065	TP 6066	TP 6066	TP 6066	TP 6066
			Depth (m)	1.50	2.50	0.40	1.20	2.50	3.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437213	9437221	9437225	9437229	9437233	9437237
			AGS Reference						
Moisture Content Ratio	%	PM024		15	13	14	9.9	12	14
pH	1 pH Units	TM133		6.66 M	6.83 M	6.22 M	6.33 M	6.47 M	6.51 M
Arsenic	<0.6 mg/kg	TM181		20.2 M	11.5 M	19 M	9.94 M	11.1 M	9.85 M
Cadmium	<0.02 mg/kg	TM181		0.778 M	0.8 M	0.628 M	0.629 M	0.75 M	0.781 M
Chromium	<0.9 mg/kg	TM181		20.3 M	14.4 M	16.3 M	14.3 M	14.5 M	12.7 M
Copper	<1.4 mg/kg	TM181		18.3 M	17.8 M	34.1 M	17.4 M	21.2 M	19 M
Lead	<0.7 mg/kg	TM181		35.6 M	22.6 M	27.6 M	15 M	17.1 M	15.5 M
Mercury	<0.14 mg/kg	TM181		0.292 M	<0.14 M	0.372 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.8 M	28.8 M	31.2 M	25.3 M	33.6 M	36 M
Selenium	<1 mg/kg	TM181		1.71 #	1.12 #	1.23 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.6 #	16.5 #	20.5 #	16.9 #	17.8 #	14.1 #
Zinc	<1.9 mg/kg	TM181		73 M	77.8 M	161 M	71.7 M	84.2 M	78.4 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6067	TP 6067	TP 6067	TP 6068	TP 6068	TP 6068
			Depth (m)	0.30	1.40	2.50	0.40	1.40	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437242	9437249	9437255	9437261	9437270	9437280
			AGS Reference						
Moisture Content Ratio	%	PM024		13	20	22	8.4	11	10
pH	1 pH Units	TM133		6.15 M	6.11 M	5.99 M	7.94 M	6.74 M	6.4 M
Arsenic	<0.6 mg/kg	TM181		22.6 M	17.6 M	60.3 M	10.6 M	7.44 M	10.3 M
Cadmium	<0.02 mg/kg	TM181		1.41 M	1.32 M	1.82 M	0.451 M	0.505 M	0.619 M
Chromium	<0.9 mg/kg	TM181		33.6 M	19 M	79 M	13.3 M	10.6 M	15 M
Copper	<1.4 mg/kg	TM181		49.9 M	57.8 M	87.5 M	51 M	10.9 M	22 M
Lead	<0.7 mg/kg	TM181		499 M	102 M	1680 M	27.7 M	12 M	15.3 M
Mercury	<0.14 mg/kg	TM181		12 M	0.786 M	6.84 M	0.334 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.8 M	31.5 M	71.6 M	26.9 M	26.1 M	35.2 M
Selenium	<1 mg/kg	TM181		<1 #	1.16 #	<10 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21.1 #	22 #	26.4 #	19.2 #	10.7 #	15.6 #
Zinc	<1.9 mg/kg	TM181		221 M	170 M	358 M	128 M	58.4 M	92.6 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6068	TP 6069	TP 6069	TP 6069	TP 6069	TP 6078
			Depth (m)	4.00	0.40	1.40	2.60	3.90	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437286	9437291	9437299	9437304	9437308	9437336
			AGS Reference						
Moisture Content Ratio	%	PM024		11	11	9.9	12	12	12
Soil Organic Matter (SOM)	<0.35 %	TM132			2.48 #				
pH	1 pH Units	TM133		6.46 M	5.67 M	6.34 M	6.38 M	6.56 M	5.77 M
Arsenic	<0.6 mg/kg	TM181		9.28 M	37.4 M	16.2 M	6.79 M	8.98 M	11.5 M
Cadmium	<0.02 mg/kg	TM181		0.587 M	0.771 M	0.868 M	0.679 M	0.551 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		13.5 M	16.6 M	15.3 M	18.6 M	14.9 M	15.1 M
Copper	<1.4 mg/kg	TM181		18.6 M	123 M	58.1 M	36.5 M	27 M	14.1 M
Lead	<0.7 mg/kg	TM181		14.8 M	96.5 M	39.9 M	23.7 M	19.3 M	21.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		33.9 M	29.4 M	32.5 M	41.4 M	39.5 M	19.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.4 #	19.4 #	14.9	17.7 #	15.8 #	19.7 #
Zinc	<1.9 mg/kg	TM181		84.7 M	384 M	195 M	132 M	104 M	47.9 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6078	TP 6078	TP 6078	TP 6079	TP 6079	TP 6079
			Depth (m)	1.70	2.70	3.50	0.30	1.00	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437340	9437345	9437349	9437354	9437358	9437362
			AGS Reference						
Moisture Content Ratio	%	PM024		12	11	11	8.5	14	11
pH	1 pH Units	TM133		6.04 M	6.24 M	6.49 M	6.62 M	6.73 M	7.97 M
Arsenic	<0.6 mg/kg	TM181		10.4 M	6.44 M	7.27 M	10.5 M	12.1 M	8.34 M
Cadmium	<0.02 mg/kg	TM181		0.35 M	0.174 M	0.163 M	0.274 M	0.464 M	0.169 M
Chromium	<0.9 mg/kg	TM181		12.2 M	10.6 M	11.1 M	10.8 M	13.5 M	9.96 M
Copper	<1.4 mg/kg	TM181		16.5 M	11.2 M	10.4 M	13.1 M	39.6 M	10.3 M
Lead	<0.7 mg/kg	TM181		24.7 M	11.2 M	12.4 M	49.7 M	26.5 M	10.9 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		28.4 M	23.9 M	26.4 M	27.8 M	32.8 M	23.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.2 #	10.7 #	11.8 #	11.1 #	15.2 #	10.5 #
Zinc	<1.9 mg/kg	TM181		69 M	55.7 M	57.2 M	61.3 M	77.9 M	54.9 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6080	TP 6080	TP 6080	TP 6081	TP 6081	TP 6081
			Depth (m)	0.40	1.60	3.10	0.40	1.40	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437366	9437370	9437374	9437382	9437388	9437392
			AGS Reference						
Moisture Content Ratio	%	PM024		13	9.6	9	8.6	9.5	9.5
pH	1 pH Units	TM133		8.07 M	7.15 M	7.14 M	7.17 M	6.89 M	7.21 M
Arsenic	<0.6 mg/kg	TM181		15.5 M	8.42 M	8.7 M	9.9 M	8.28 M	7.91 M
Cadmium	<0.02 mg/kg	TM181		0.324 M	0.433 M	0.452 M	0.119 M	0.448 M	0.586 M
Chromium	<0.9 mg/kg	TM181		12.4 M	11.6 M	12.3 M	9.42 M	10.9 M	10.9 M
Copper	<1.4 mg/kg	TM181		52.8 M	12.2 M	11.3 M	25.3 M	10.6 M	10.2 M
Lead	<0.7 mg/kg	TM181		100 M	10.7 M	11.9 M	17.2 M	10.1 M	10.9 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		34.4 M	25.3 M	25.9 M	23.5 M	24.3 M	24.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		24.8 #	12.2 #	13.2 #	10.1 #	11.2 #	11.1 #
Zinc	<1.9 mg/kg	TM181		68.1 M	57.5 M	57.6 M	73.7 M	56.4 M	57.8 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6082	TP 6082	TP 6082	TP 6082	TP 6083	TP 6083
			Depth (m)	0.20	0.90	2.10	3.50	0.20 - 0.40	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437396	9437401	9437406	9437411	9437417	9437423
			AGS Reference						
Moisture Content Ratio	%	PM024		9.7	11	9.3	10	18	12
Soil Organic Matter (SOM)	<0.35 %	TM132		4.74 #					3.31 #
pH	1 pH Units	TM133		6.81 M	6.93 M	6.85 M	6.64 M	7.37 M	6 M
Arsenic	<0.6 mg/kg	TM181		11.7 M	10.8 M	10.2 M	10.6 M	28.1 M	15.1 M
Cadmium	<0.02 mg/kg	TM181		0.202 M	0.248 M	0.281 M	0.557 M	0.58 M	0.213 M
Chromium	<0.9 mg/kg	TM181		10.2 M	10.8 M	12.7 M	10.6 M	22.2 M	8.97 M
Copper	<1.4 mg/kg	TM181		25.9 M	10.3 M	12.3 M	10.3 M	154 M	21.3 M
Lead	<0.7 mg/kg	TM181		18.6 M	14.6 M	12.3 M	11 M	303 M	16.9 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		32.8 M	24.3 M	27 M	25 M	35.1 M	28.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.4 #	11.5 #	12.7 #	11.5 #	35.4 #	9.63 #
Zinc	<1.9 mg/kg	TM181		78.7 M	51.6 M	61 M	232 M	280 M	71.1 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6083	TP 6083	TP 6084	TP 6084	TP 6084	TP 6084
			Depth (m)	2.30	3.50	0.50	1.60	2.80	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437427	9437437	9437442	9437446	9437450	9437454
			AGS Reference						
Moisture Content Ratio	%	PM024		10	11	14	10	12	11
pH	1 pH Units	TM133		6.63 M	6.56 M	7.73 M	6.76 M	7 M	5.69 M
Arsenic	<0.6 mg/kg	TM181		12.3 M	11.4 M	19.5 M	10.8 M	9.53 M	10.8 M
Cadmium	<0.02 mg/kg	TM181		0.262 M	0.267 M	0.393 M	0.364 M	0.184 M	0.0654 M
Chromium	<0.9 mg/kg	TM181		10.8 M	11.6 M	21.5 M	22.7 M	13.4 M	11.8 M
Copper	<1.4 mg/kg	TM181		9.88 M	12 M	47 M	16.8 M	16.1 M	15.2 M
Lead	<0.7 mg/kg	TM181		10.4 M	12.1 M	107 M	19.7 M	15.9 M	15.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.525 M	<1.4 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.6 M	26.7 M	24.5 M	43.4 M	26.6 M	30 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11.6 #	12.1 #	20.9 #	32.6 #	14.8 #	12.2 #
Zinc	<1.9 mg/kg	TM181		55.4 M	56.5 M	98.9 M	98.3 M	65.4 M	63.9 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6085	TP 6085	TP 6085	TP 6085	TP 6086	TP 6086
			Depth (m)	0.40	1.10	2.70	3.70	0.50	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437460	9437464	9437468	9437473	9437478	9437490
			AGS Reference						
Moisture Content Ratio	%	PM024		13	9.1	11	12	12	11
pH	1 pH Units	TM133		6.65 M	6.21 M	6.42 M	6.95 M	5.8 M	6.79 M
Arsenic	<0.6 mg/kg	TM181		8.88 M	9.13 M	8.68 M	9.26 M	7.65 M	7.71 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.459 M	0.67 M	0.228 M	0.0927 M	0.477 M
Chromium	<0.9 mg/kg	TM181		15.2 M	11.4 M	10.5 M	12.6 M	12.2 M	11.6 M
Copper	<1.4 mg/kg	TM181		11.5 M	14.3 M	11.6 M	17.9 M	15.5 M	16.4 M
Lead	<0.7 mg/kg	TM181		16.6 M	11.6 M	11.5 M	16.6 M	15.9 M	12.9 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		24.3 M	29.5 M	24.2 M	29.6 M	18.8 M	26.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.6 #	12 #	12.3 #	14.3 #	13.9 #	14.8 #
Zinc	<1.9 mg/kg	TM181		56.9 M	66.5 M	57.5 M	72.2 M	54 M	66.1 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6086	TP 6087	TP 6087	TP 6087	TP 6087	TP 6088
			Depth (m)	2.50	0.50	1.50	2.70	3.90	0.40 - 0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437497	9437502	9437508	9437516	9437524	9437529
			AGS Reference						
Moisture Content Ratio	%	PM024		12	20	20	12	12	31
Soil Organic Matter (SOM)	<0.35 %	TM132							7.46 #
pH	1 pH Units	TM133		7.01 M	6.88 M	5.97 M	5.84 M	6.67 M	5.85 M
Arsenic	<0.6 mg/kg	TM181		7.15 M	52.7 M	9.63 M	9 M	7.74 M	25.9 M
Cadmium	<0.02 mg/kg	TM181		0.504 M	1.04 M	0.539 M	0.597 M	0.423 M	0.947 M
Chromium	<0.9 mg/kg	TM181		12.8 M	14.9 M	18.9 M	12.7 M	10.8 M	13 M
Copper	<1.4 mg/kg	TM181		12.6 M	114 M	8.36 M	13.6 M	13.1 M	50.1 M
Lead	<0.7 mg/kg	TM181		22.9 M	120 M	16.3 M	11.7 M	11.9 M	44.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		27.2 M	16.2 M	14.3 M	23.4 M	25.7 M	20.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.2 #	18.2 #	24.8 #	14.1 #	11.4 #	17.7 #
Zinc	<1.9 mg/kg	TM181		63.5 M	109 M	36 M	70.4 M	65.9 M	118 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6088	TP 6088	TP 6088	TP 6089	TP 6089	TP 6089
			Depth (m)	1.20	2.40	3.90	0.30	0.80	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437533	9437538	9437543	9437551	9437557	9437561
			AGS Reference						
Moisture Content Ratio	%	PM024		18	17	14	18	16	9.5
pH	1 pH Units	TM133		6.31 M	6.37 M	6.27 M	5.73 M	4.71 M	5.97 M
Arsenic	<0.6 mg/kg	TM181		3.37 M	5.24 M	10.5 M	25.3 M	9.31 M	9.52 M
Cadmium	<0.02 mg/kg	TM181		0.0693 M	0.138 M	0.642 M	0.779 M	0.11 M	0.232 M
Chromium	<0.9 mg/kg	TM181		13 M	15.5 M	13.7 M	15.9 M	19.3 M	14.2 M
Copper	<1.4 mg/kg	TM181		6.15 M	10 M	18.1 M	45.9 M	14.5 M	13.3 M
Lead	<0.7 mg/kg	TM181		11.4 M	11.7 M	16.2 M	74.1 M	17 M	13.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		10.2 M	16.5 M	23.7 M	16.9 M	18.5 M	27.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.7 #	18.3 #	15.9 #	22.2 #	24.5 #	16.6 #
Zinc	<1.9 mg/kg	TM181		22.5 M	36.4 M	76.8 M	163 M	51.5 M	75.6 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6089	TP 6090	TP 6090	TP 6090	TP 6090	TP 6091
			Depth (m)	3.70	0.20	1.20	2.50	3.80	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437566	9437571	9437577	9437585	9437175	9437590
			AGS Reference						
Moisture Content Ratio	%	PM024		11	14	14	19	18	9.4
pH	1 pH Units	TM133		5.98 M	5.07 M	6.27 M	6.04 M	6.2 M	5.74 M
Arsenic	<0.6 mg/kg	TM181		5.71 M	33.1 M	17 M	67.2 M	23.7 M	9.77 M
Cadmium	<0.02 mg/kg	TM181		0.195 M	0.301 M	0.463 M	1.12 M	0.353 M	0.63 M
Chromium	<0.9 mg/kg	TM181		10.5 M	13.4 M	13.1 M	9.9 M	13.6 M	10.3 M
Copper	<1.4 mg/kg	TM181		13.4 M	54.3 M	27.1 M	105 M	39.6 M	16.3 M
Lead	<0.7 mg/kg	TM181		10.3 M	68 M	28.8 M	66.3 M	25.4 M	130 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.2 M	10.4 M	25.3 M	7.77 M	12.3 M	22.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.5 #	19.6 #	15.5 #	17.3 #	19.3 #	10.5 #
Zinc	<1.9 mg/kg	TM181		59.6 M	117 M	117 M	112 M	60.2 M	243 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6091	TP 6091	TP 6091	TP 6092	TP 6092	TP 6092
			Depth (m)	1.20	2.50	3.50	0.40	1.20	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437596	9437602	9437615	9437622	9437629	9437635
			AGS Reference						
Moisture Content Ratio	%	PM024		19	19	20	14	21	21
pH	1 pH Units	TM133		5.4 M	5.95 M	6.15 M	7.06 M	5.72 M	6.24 M
Arsenic	<0.6 mg/kg	TM181		38.7 M	17.4 M	14.4 M	17.2 M	26.3 M	43.4 M
Cadmium	<0.02 mg/kg	TM181		0.266 M	1.31 M	0.186 M	0.615 M	0.489 M	1.19 M
Chromium	<0.9 mg/kg	TM181		14.8 M	14.8 M	17.5 M	13.7 M	18.9 M	18.2 M
Copper	<1.4 mg/kg	TM181		48.5 M	28.2 M	10.7 M	29 M	28.5 M	89.7 M
Lead	<0.7 mg/kg	TM181		32.6 M	49 M	14.7 M	80.3 M	24.6 M	48.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		13.7 M	29.3 M	10.7 M	21.1 M	13.9 M	18.1 M
Selenium	<1 mg/kg	TM181		1.13 #	<1 #	<1 #	<1 #	1.47 #	1.17 #
Vanadium	<0.2 mg/kg	TM181		20.9 #	18.7 #	23.4 #	14 #	24.4 #	22.2 #
Zinc	<1.9 mg/kg	TM181		79.3 M	127 M	30.5 M	128 M	91.2 M	143 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6092	TP 6093	TP 6093	TP 6093	TP 6093	TP 6094
			Depth (m)	3.50	0.30	1.20	2.50	3.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437641	9437648	9437652	9437656	9437666	9437672
			AGS Reference						
Moisture Content Ratio	%	PM024		12	15	12	19	13	8.6
pH	1 pH Units	TM133		6.24 M	7.62 M	5.96 M	5.72 M	5.81 M	5.84 M
Arsenic	<0.6 mg/kg	TM181		14.9 M	15.9 M	8.98 M	51.6 M	6.58 M	10.9 M
Cadmium	<0.02 mg/kg	TM181		0.419 M	0.577 M	0.251 M	0.464 M	0.298 M	0.444 M
Chromium	<0.9 mg/kg	TM181		13.8 M	15.3 M	12.3 M	13.2 M	9.46 M	10.8 M
Copper	<1.4 mg/kg	TM181		25.9 M	33.1 M	17.8 M	83.2 M	14.2 M	20.5 M
Lead	<0.7 mg/kg	TM181		24.9 M	132 M	14.4 M	36.3 M	11.5 M	16.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.2 M	18.7 M	29 M	12.4 M	20.9 M	36.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15 #	14.7 #	14.2 #	19.6 #	11.2 #	13.1 #
Zinc	<1.9 mg/kg	TM181		83.5 M	136 M	66.5 M	72 M	48.4 M	97.8 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6094	TP 6094	TP 6094	TP 6094	TP 6095	TP 6095
			Depth (m)	1.00	2.00	3.00	4.00	0.30	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437116	9437121	9437125	9437170	9437130	9437134
			AGS Reference						
Moisture Content Ratio	%	PM024		16	16	18	20	16	12
pH	1 pH Units	TM133		6.32 M	6.19 M	5.8 M	6.13 M	7.74 M	7.33 M
Arsenic	<0.6 mg/kg	TM181		20.2 M	20.9 M	50.6 M	48.3 M	151 M	27.8 M
Cadmium	<0.02 mg/kg	TM181		0.466 M	0.882 M	0.405 M	0.631 M	1.65 M	0.734 M
Chromium	<0.9 mg/kg	TM181		13 M	12.6 M	13.4 M	13.7 M	19.4 M	16.9 M
Copper	<1.4 mg/kg	TM181		47.5 M	36.5 M	66.2 M	85.5 M	864 M	79.8 M
Lead	<0.7 mg/kg	TM181		26.3 M	25.7 M	49.3 M	56.4 M	378 M	55.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		18.2 M	20.3 M	18 M	22.4 M	43.1 M	29.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	1.07 #
Vanadium	<0.2 mg/kg	TM181		16.3 #	15.4 #	16.8 #	17.5 #	22.1 #	19.5 #
Zinc	<1.9 mg/kg	TM181		74.4 M	90.6 M	59.5 M	81.9 M	2500 M	146 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6095	TP 6095	TP 6095	TP 6096	TP 6096	TP 6096
			Depth (m)	2.30	3.30	4.30	0.20	1.20	2.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437139	9437143	9437147	9437152	9437156	9437165
			AGS Reference						
Moisture Content Ratio	%	PM024		14	14	13	14	12	12
Soil Organic Matter (SOM)	<0.35 %	TM132						2.79 #	
pH	1 pH Units	TM133		6.75 M	6.08 M	7.25 M	8.37 M	6.41 M	5.66 M
Arsenic	<0.6 mg/kg	TM181		32.9 M	17.8 M	11.3 M	17.9 M	7.68 M	8.98 M
Cadmium	<0.02 mg/kg	TM181		0.563 M	0.43 M	0.265 M	0.301 M	0.344 M	0.26 M
Chromium	<0.9 mg/kg	TM181		15.2 M	13.3 M	12.1 M	18 M	11.4 M	12.5 M
Copper	<1.4 mg/kg	TM181		78.7 M	40.1 M	19.5 M	45.2 M	18.4 M	20.7 M
Lead	<0.7 mg/kg	TM181		49.6 M	38.9 M	21.6 M	135 M	23.8 M	14.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		33 M	29.1 M	27.7 M	35.2 M	27 M	29.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.8 #	14.5 #	12.6 #	16.5 #	12.3 #	13.7 #
Zinc	<1.9 mg/kg	TM181		155 M	114 M	74.4 M	213 M	69.8 M	65.8 M

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6100	TP 6100	TP 6100	TP 6100		
			Depth (m)	0.20	0.90	2.00	3.40		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014		
			Sample Time	.	.	.	.		
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014		
			SDG Ref	140613-104	140613-104	140613-104	140613-104		
			Lab Sample No.(s)	9437313	9437319	9437323	9437327		
			AGS Reference						
Moisture Content Ratio	%	PM024		15	10	11	12		
pH	1 pH Units	TM133		7.36 M	8 M	6.76 M	6.69 M		
Arsenic	<0.6 mg/kg	TM181		29.1 M	128 M	22.9 M	28.7 M		
Cadmium	<0.02 mg/kg	TM181		0.606 M	7.16 M	0.353 M	1.64 M		
Chromium	<0.9 mg/kg	TM181		15.1 M	17.1 M	15.6 M	15.5 M		
Copper	<1.4 mg/kg	TM181		62.3 M	2730 M	204 M	423 M		
Lead	<0.7 mg/kg	TM181		42.9 M	653 M	68.8 M	77.8 M		
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M		
Nickel	<0.2 mg/kg	TM181		26.7 M	49.2 M	28.7 M	31.7 M		
Selenium	<1 mg/kg	TM181		<1 #	1.58 #	<1 #	<1 #		
Vanadium	<0.2 mg/kg	TM181		20.1 #	22.4 #	16.8 #	18.3 #		
Zinc	<1.9 mg/kg	TM181		151 M	2210 M	240 M	1500 M		

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6060	TP 6060	TP 6060	TP 6060	TP 6061	TP 6061
			Depth (m)	0.30	1.30	2.50	3.50	0.20	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437107	9437217	9437276	9437331	9437378	9437433
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		104	116	106	100	104	98.6
Acenaphthene-d10 % recovery**	%	TM218		101	117	105	98	103	96.6
Phenanthrene-d10 % recovery**	%	TM218		97.6	116	104	95	99.7	93.6
Chrysene-d12 % recovery**	%	TM218		84.2	108	90.5	85	87.9	85.4
Perylene-d12 % recovery**	%	TM218		85	116	87.4	82	80.8	83.4
Naphthalene	<9 µg/kg	TM218		13.3 M	43.1 M	15.4 M	32.9 M	154 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	11 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	23.7 M	33.4 M	<10 M
Phenanthrene	<15 µg/kg	TM218		43.2 M	36.8 M	64.2 M	87.7 M	435 M	68.7 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	47.2 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	71.7 M	306 M	20.9 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	31 M	47.9 M	283 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	51.9 M	174 M	<14 M
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	38.2 M	46 M	247 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	49 M	45.4 M	347 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	138 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	22 M	219 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	147 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	56 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	202 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	198	429	2800	<118

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6061	TP 6061	TP 6062	TP 6062	TP 6062	TP 6063
			Depth (m)	2.60	3.90	0.20	1.30	2.60	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437482	9437547	9437608	9437111	9437160	9437180
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		130	104	104	99.8	99.7	103
Acenaphthene-d10 % recovery**	%	TM218		130	99.4	102	97.3	97.5	103
Phenanthrene-d10 % recovery**	%	TM218		129	95	101	92.8	94.1	103
Chrysene-d12 % recovery**	%	TM218		116	80.6	90.8	80.8	84.2	97.1
Perylene-d12 % recovery**	%	TM218		117	72.4	86	76	82.5	99.1
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	12 M	<9 M	11.2 M	65.4 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	26.7 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	33.7 M
Phenanthrene	<15 µg/kg	TM218		<15 M	<15 M	91.3 M	75 M	88.8 M	130 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	40.4 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	57.4 M	29 M	72.2 M	87.3 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	44.1 M	23.4 M	56.9 M	152 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	21.2 M	<14 M	21.6 M	43.8 M
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	55 M	<10 M	37.2 M	67.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	51.6 M	<15 M	44.6 M	80.8 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	16.1 M	<14 M	<14 M	27.5 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	21.4 M	<15 M	27 M	40.9 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	27.6 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	36.1 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	370	127	360	860

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6063	TP 6064	TP 6064	TP 6064	TP 6064	TP 6065
			Depth (m)	0.90	0.40	1.40	2.60	3.80	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437185	9437189	9437194	9437199	9437203	9437209
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	105	104	98.8	103	78.9
Acenaphthene-d10 % recovery**	%	TM218		104	105	101	97.2	100	74.6
Phenanthrene-d10 % recovery**	%	TM218		103	106	98.8	94.3	96.3	71.4
Chrysene-d12 % recovery**	%	TM218		94.4	101	94.5	90.3	83.7	64.7
Perylene-d12 % recovery**	%	TM218		90.7	106	97.1	91.7	78.7	63.4
Naphthalene	<9 µg/kg	TM218		11.5 M	10.6 M	10.8 M	27.7 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	15.1 M	14.9 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	27.1 M	19.1 M	17.1 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	54.9 M	69.2 M	35.8 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		<15 M	424 M	153 M	160 M	<15 M	77 M
Anthracene	<16 µg/kg	TM218		<16 M	175 M	148 M	72.9 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	364 M	72.2 M	37.4 M	<17 M	21.5 M
Pyrene	<15 µg/kg	TM218		<15 M	477 M	192 M	141 M	<15 M	20.1 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	132 M	25.8 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		<10 M	264 M	83.9 M	89.3 M	<10 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	166 M	66.2 M	42.7 M	<15 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	63.4 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	122 M	17.3 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	57.2 M	21.3 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	66.1 M	40.9 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	2420	934	624	<118	119

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6065	TP 6065	TP 6066	TP 6066	TP 6066	TP 6066
			Depth (m)	1.50	2.50	0.40	1.20	2.50	3.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437213	9437221	9437225	9437229	9437233	9437237
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	96.4	101	106	98.4	94.9
Acenaphthene-d10 % recovery**	%	TM218		98	94	101	102	97	92.8
Phenanthrene-d10 % recovery**	%	TM218		95.1	90.5	99.2	99.2	94.8	90
Chrysene-d12 % recovery**	%	TM218		86.1	79	87.2	86.9	86.5	80.4
Perylene-d12 % recovery**	%	TM218		84.2	73.2	88.9	81.1	84.6	77.1
Naphthalene	<9 µg/kg	TM218		15.6 M	<9 M	11.9 M	13.1 M	47.4 M	33.1 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		15 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		33.2 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		157 M	<15 M	123 M	188 M	310 M	297 M
Anthracene	<16 µg/kg	TM218		36.5 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		76.3 M	<17 M	36.2 M	19 M	57.2 M	39.9 M
Pyrene	<15 µg/kg	TM218		79.1 M	<15 M	35.3 M	<15 M	75.4 M	24 M
Benz(a)anthracene	<14 µg/kg	TM218		21.3 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		33.1 M	<10 M	48.7 M	64.4 M	197 M	135 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		46.3 M	<15 M	46.7 M	56.8 M	127 M	97.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		23.3 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		537	<118	302	341	814	626

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6067	TP 6067	TP 6067	TP 6068	TP 6068	TP 6068
			Depth (m)	0.30	1.40	2.50	0.40	1.40	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437242	9437249	9437255	9437261	9437270	9437280
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		108	112	118	104	111	104
Acenaphthene-d10 % recovery**	%	TM218		107	111	113	108	111	103
Phenanthrene-d10 % recovery**	%	TM218		107	107	113	105	109	103
Chrysene-d12 % recovery**	%	TM218		103	111	105	87.9	102	90
Perylene-d12 % recovery**	%	TM218		105	116	99.6	91.5	99.8	88.2
Naphthalene	<9 µg/kg	TM218		43.8 M	137 M	329 M	81.7 M	92.4 M	57.5 M
Acenaphthylene	<12 µg/kg	TM218		38.2 M	232 M	199 M	98.6 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		104 M	73.2 M	830 M	1130 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		86.8 M	130 M	794 M	1260 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		1680 M	479 M	9340 M	4130 M	114 M	116 M
Anthracene	<16 µg/kg	TM218		276 M	824 M	1330 M	1720 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		4070 M	428 M	18500 M	344 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		3300 M	1860 M	15200 M	1460 M	18.8 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		1700 M	152 M	7250 M	128 M	19.4 M	<14 M
Chrysene	<10 µg/kg	TM218		1700 M	723 M	8690 M	614 M	48.5 M	77.1 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		2710 M	465 M	10900 M	123 M	34.2 M	66.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		1010 M	104 M	5240 M	35.9 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		2020 M	230 M	8950 M	73.6 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		1260 M	181 M	6690 M	31.4 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		353 M	82.5 M	1810 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		1560 M	274 M	8270 M	52.7 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		21900	6370	104000	11300	327	317

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6068	TP 6069	TP 6069	TP 6069	TP 6069	TP 6078
			Depth (m)	4.00	0.40	1.40	2.60	3.90	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437286	9437291	9437299	9437304	9437308	9437336
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		103	94.7	107	102	105	105
Acenaphthene-d10 % recovery**	%	TM218		101	95.8	107	101	104	105
Phenanthrene-d10 % recovery**	%	TM218		96.9	92.5	105	100	102	104
Chrysene-d12 % recovery**	%	TM218		85.8	80.6	96.7	89.3	89.5	97.3
Perylene-d12 % recovery**	%	TM218		83.9	80.8	92.8	89.5	85.7	93.4
Naphthalene	<9 µg/kg	TM218		94.4 M	304 M	187 M	<9 M	26.7 M	244 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	14.4 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	24.1 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		94 M	86.8 M	198 M	47.6 M	105 M	173 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		27.6 M	54.5 M	34.6 M	<17 M	<17 M	24.5 M
Pyrene	<15 µg/kg	TM218		22.9 M	38.6 M	30.6 M	<15 M	34.5 M	32 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	26.3 M	31.6 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		<10 M	48.8 M	84.5 M	29.4 M	56.2 M	79.1 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	43 M	52.8 M	37.6 M	42.8 M	106 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	23 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		239	639	643	<118	265	658

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6078	TP 6078	TP 6078	TP 6079	TP 6079	TP 6079
			Depth (m)	1.70	2.70	3.50	0.30	1.00	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437340	9437345	9437349	9437354	9437358	9437362
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		103	104	103	103	102	103
Acenaphthene-d10 % recovery**	%	TM218		101	102	102	102	99.7	99.8
Phenanthrene-d10 % recovery**	%	TM218		99.3	100	101	98.8	98.2	98.5
Chrysene-d12 % recovery**	%	TM218		86.2	86.6	92.4	81.4	85.2	85.6
Perylene-d12 % recovery**	%	TM218		79.7	76.6	88.1	75.8	76.8	75.7
Naphthalene	<9 µg/kg	TM218		243 M	12.7 M	10.9 M	28.3 M	55.9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		94.5 M	57.9 M	49.9 M	155 M	74.2 M	63.6 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		61.4 M	<17 M	<17 M	35.2 M	53.2 M	<17 M
Pyrene	<15 µg/kg	TM218		48.5 M	<15 M	<15 M	51.7 M	50.2 M	19.7 M
Benz(a)anthracene	<14 µg/kg	TM218		44.2 M	<14 M	<14 M	15.9 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		92.6 M	25.5 M	33.1 M	137 M	36.7 M	35.1 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		98.1 M	43.6 M	55.5 M	106 M	39.5 M	27.8 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		23.4 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		24.9 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	49.9 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		730	140	149	580	310	146

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6080	TP 6080	TP 6080	TP 6081	TP 6081	TP 6081
			Depth (m)	0.40	1.60	3.10	0.40	1.40	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437366	9437370	9437374	9437382	9437388	9437392
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		107	102	101	98.8	100	95.7
Acenaphthene-d10 % recovery**	%	TM218		106	99.5	99	101	98.8	93
Phenanthrene-d10 % recovery**	%	TM218		103	98.6	97.6	98.9	98.5	89.4
Chrysene-d12 % recovery**	%	TM218		88.4	86.5	86	85.4	88.8	78
Perylene-d12 % recovery**	%	TM218		82.7	75.9	79.9	82.7	82.4	72.5
Naphthalene	<9 µg/kg	TM218		2570 M	14.2 M	35.7 M	9.94 M	11.8 M	16.5 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		117 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		186 M	13.3 M	29.9 M	<10 M	19 M	32.4 M
Phenanthrene	<15 µg/kg	TM218		423 M	122 M	141 M	35.8 M	102 M	106 M
Anthracene	<16 µg/kg	TM218		124 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		1220 M	<17 M	25.8 M	<17 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		1690 M	24.8 M	34.6 M	16.9 M	20.3 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		633 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		658 M	44.1 M	55.9 M	<10 M	37.6 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1320 M	35.2 M	51.1 M	<15 M	34.3 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		455 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		932 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		432 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		156 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		577 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		11500	254	374	<118	225	155

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6082	TP 6082	TP 6082	TP 6082	TP 6083	TP 6083
			Depth (m)	0.20	0.90	2.10	3.50	0.20 - 0.40	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437396	9437401	9437406	9437411	9437417	9437423
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		110	105	105	107	113	99.8
Acenaphthene-d10 % recovery**	%	TM218		106	104	104	106	111	99.7
Phenanthrene-d10 % recovery**	%	TM218		103	103	103	104	109	97
Chrysene-d12 % recovery**	%	TM218		92.4	95.3	91.6	96.2	99.1	83.3
Perylene-d12 % recovery**	%	TM218		89	99.2	90.6	95.6	98.5	82.4
Naphthalene	<9 µg/kg	TM218		805 M	114 M	70.1 M	611 M	585 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	19.2 M	<8 M
Fluorene	<10 µg/kg	TM218		18.1 M	<10 M	<10 M	23.4 M	64.6 M	<10 M
Phenanthrene	<15 µg/kg	TM218		152 M	72.7 M	96.3 M	97.6 M	336 M	66.5 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	55.2 M	<16 M
Fluoranthene	<17 µg/kg	TM218		72.6 M	19.3 M	<17 M	20.7 M	576 M	<17 M
Pyrene	<15 µg/kg	TM218		61.6 M	32.5 M	18.8 M	28.5 M	603 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		39.5 M	25.2 M	15.8 M	24.4 M	309 M	<14 M
Chrysene	<10 µg/kg	TM218		111 M	34.5 M	34.7 M	49.6 M	459 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		95.1 M	41.9 M	25.5 M	48 M	707 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		21.4 M	<14 M	<14 M	<14 M	313 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		29 M	<15 M	<15 M	<15 M	549 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	392 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	123 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		32.1 M	<24 M	<24 M	<24 M	548 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1440	340	261	903	5640	<118

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6083	TP 6083	TP 6084	TP 6084	TP 6084	TP 6084
			Depth (m)	2.30	3.50	0.50	1.60	2.80	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437427	9437437	9437442	9437446	9437450	9437454
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		104	102	101	101	108	103
Acenaphthene-d10 % recovery**	%	TM218		103	101	101	99.3	107	103
Phenanthrene-d10 % recovery**	%	TM218		102	99.5	99.6	97	105	101
Chrysene-d12 % recovery**	%	TM218		89.4	88	92.6	87.7	96.8	89.1
Perylene-d12 % recovery**	%	TM218		86	86.6	92.2	85.3	97.9	86.8
Naphthalene	<9 µg/kg	TM218		<9 M	13.7 M	31.8 M	29.9 M	26.1 M	13.7 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	14.4 M	<10 M
Phenanthrene	<15 µg/kg	TM218		85.2 M	67.8 M	147 M	101 M	125 M	74 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	164 M	<17 M	30.5 M	<17 M
Pyrene	<15 µg/kg	TM218		20.7 M	18.4 M	142 M	<15 M	37.4 M	18.1 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	18.5 M	64.4 M	16.7 M	24.2 M	<14 M
Chrysene	<10 µg/kg	TM218		35.6 M	27.4 M	125 M	35.7 M	61.4 M	28.2 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		27.2 M	18.5 M	167 M	58.8 M	71 M	18.1 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	53.7 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	82.8 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	71.1 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	101 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		169	164	1150	242	390	152

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6085	TP 6085	TP 6085	TP 6085	TP 6086	TP 6086
			Depth (m)	0.40	1.10	2.70	3.70	0.50	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437460	9437464	9437468	9437473	9437478	9437490
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	106	101	104	104	98.4
Acenaphthene-d10 % recovery**	%	TM218		104	97	99.2	104	104	96.7
Phenanthrene-d10 % recovery**	%	TM218		102	92.3	95.2	103	102	91.9
Chrysene-d12 % recovery**	%	TM218		90.8	80.7	85.5	91.7	90.6	82.2
Perylene-d12 % recovery**	%	TM218		87.2	78.1	83	89.2	86.9	78.4
Naphthalene	<9 µg/kg	TM218		1830 M	4590 M	922 M	1290 M	1860 M	42.8 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	35 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	13.1 M	17.1 M	26.8 M	<8 M
Fluorene	<10 µg/kg	TM218		13.6 M	36.3 M	19.6 M	<10 M	71.4 M	<10 M
Phenanthrene	<15 µg/kg	TM218		54.8 M	170 M	76.5 M	123 M	100 M	111 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		50.6 M	78.5 M	30.2 M	68.9 M	41.4 M	<17 M
Pyrene	<15 µg/kg	TM218		43.6 M	73.5 M	41 M	63.8 M	55.6 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		17 M	70.2 M	<10 M	81.2 M	36.9 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		28.6 M	53.3 M	<15 M	67.8 M	42.7 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	19.9 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	17.3 M	<15 M	18.7 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	27.3 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2040	5090	1100	1810	2230	154

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6086	TP 6087	TP 6087	TP 6087	TP 6087	TP 6088
			Depth (m)	2.50	0.50	1.50	2.70	3.90	0.40 - 0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437497	9437502	9437508	9437516	9437524	9437529
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	106	105	104	107	114
Acenaphthene-d10 % recovery**	%	TM218		98.7	105	104	103	106	115
Phenanthrene-d10 % recovery**	%	TM218		95.3	103	102	102	105	113
Chrysene-d12 % recovery**	%	TM218		85.2	95.1	91	91.1	91.5	105
Perylene-d12 % recovery**	%	TM218		81.8	94.2	83.1	85.8	88.6	104
Naphthalene	<9 µg/kg	TM218		252 M	71.2 M	13.6 M	20.7 M	25.7 M	60 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		24.5 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		66.4 M	109 M	<15 M	130 M	49.2 M	52.7 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	98.4 M	<17 M	<17 M	<17 M	29.5 M
Pyrene	<15 µg/kg	TM218		22.2 M	86.4 M	<15 M	<15 M	<15 M	46.3 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	28.7 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		<10 M	76.3 M	<10 M	49.1 M	<10 M	44.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	119 M	<15 M	51.9 M	<15 M	88.1 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	34 M	<14 M	<14 M	<14 M	23.6 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	56.6 M	<15 M	<15 M	<15 M	27.7 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	40.7 M	<18 M	<18 M	<18 M	26.4 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	54.8 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		365	775	<118	252	<118	399

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6088	TP 6088	TP 6088	TP 6089	TP 6089	TP 6089
			Depth (m)	1.20	2.40	3.90	0.30	0.80	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437533	9437538	9437543	9437551	9437557	9437561
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		106	104	106	99.5	95.2	95.9
Acenaphthene-d10 % recovery**	%	TM218		105	103	104	98.3	94.7	94.5
Phenanthrene-d10 % recovery**	%	TM218		103	101	102	95	92.3	91.9
Chrysene-d12 % recovery**	%	TM218		91.9	91	89.8	77.9	76.4	81.2
Perylene-d12 % recovery**	%	TM218		84.8	83.3	81.2	72	73.4	77
Naphthalene	<9 µg/kg	TM218		<9 M	27.2 M	52.7 M	<9 M	<9 M	700 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	12.6 M	<8 M	23 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	67.4 M
Phenanthrene	<15 µg/kg	TM218		<15 M	37.1 M	141 M	143 M	<15 M	127 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	158 M	<17 M	23.2 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	115 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	18.7 M	<14 M	44.6 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		<10 M	12.1 M	52.9 M	81 M	<10 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	52.5 M	87.4 M	<15 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	31.7 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	39.5 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	27 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	38.9 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	299	779	<118	941

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6089	TP 6090	TP 6090	TP 6090	TP 6090	TP 6091
			Depth (m)	3.70	0.20	1.20	2.50	3.80	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437566	9437571	9437577	9437585	9437175	9437590
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.7	99.5	107	113	103	98.6
Acenaphthene-d10 % recovery**	%	TM218		96.6	98.9	106	108	101	101
Phenanthrene-d10 % recovery**	%	TM218		93.4	94.7	104	106	96.9	98.1
Chrysene-d12 % recovery**	%	TM218		82.4	79.2	95.1	91.1	85.4	83.5
Perylene-d12 % recovery**	%	TM218		78.3	81.3	94	90	81.4	82.1
Naphthalene	<9 µg/kg	TM218		32.6 M	<9 M	49.6 M	11.4 M	71.3 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	9.79 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		28.8 M	<10 M	<10 M	<10 M	14.2 M	<10 M
Phenanthrene	<15 µg/kg	TM218		75 M	19.2 M	245 M	27.5 M	95.7 M	55.1 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	100 M	<17 M	61.5 M	38.6 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	87.4 M	<15 M	49.9 M	29.5 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	45.2 M	<14 M	<14 M	23.8 M
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	177 M	<10 M	<10 M	53 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	158 M	<15 M	<15 M	73.1 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	33.6 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	35.3 M	<15 M	20.3 M	23.6 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	35.5 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	61.4 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		136	<118	1040	<118	313	297

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6091	TP 6091	TP 6091	TP 6092	TP 6092	TP 6092
			Depth (m)	1.20	2.50	3.50	0.40	1.20	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437596	9437602	9437615	9437622	9437629	9437635
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	101	96	95.4	93.6	123
Acenaphthene-d10 % recovery**	%	TM218		99.4	95.9	90.6	92.9	88.8	119
Phenanthrene-d10 % recovery**	%	TM218		95.5	92	89.1	90.6	83.7	115
Chrysene-d12 % recovery**	%	TM218		82.1	79.9	87.3	78.2	70.9	96.9
Perylene-d12 % recovery**	%	TM218		75.2	75.3	83.9	84.1	63.5	93.2
Naphthalene	<9 µg/kg	TM218		<9 M	36.7 M	5400 M	14 M	<9 M	34.1 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	312 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	5920 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	3980 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		<15 M	27.4 M	23600 M	85.9 M	<15 M	143 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	5970 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	28300 M	93.1 M	<17 M	26.6 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	25200 M	71.4 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	12200 M	45.9 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		<10 M	<10 M	12800 M	68.4 M	<10 M	35 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	<15 M	15900 M	99.4 M	<15 M	24 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	6770 M	38.2 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	14300 M	49.5 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	7140 M	35.4 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	1960 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	8360 M	46.9 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	178000	648	<118	263

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6092	TP 6093	TP 6093	TP 6093	TP 6093	TP 6094
			Depth (m)	3.50	0.30	1.20	2.50	3.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437641	9437648	9437652	9437656	9437666	9437672
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		103	95.3	103	95.9	103	96.2
Acenaphthene-d10 % recovery**	%	TM218		102	96.3	103	92.7	101	96.6
Phenanthrene-d10 % recovery**	%	TM218		99.1	95.4	102	89.2	100	95.9
Chrysene-d12 % recovery**	%	TM218		88.7	83.3	91.1	79.2	87.4	85.1
Perylene-d12 % recovery**	%	TM218		83.3	86.4	92.5	75.2	81	89.1
Naphthalene	<9 µg/kg	TM218		299 M	16.3 M	11.8 M	158 M	150 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		23.4 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		26.3 M	<10 M	<10 M	<10 M	19.6 M	<10 M
Phenanthrene	<15 µg/kg	TM218		143 M	101 M	82.2 M	22.7 M	261 M	116 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		32.2 M	110 M	<17 M	<17 M	<17 M	20.7 M
Pyrene	<15 µg/kg	TM218		23 M	86.4 M	<15 M	<15 M	<15 M	20.5 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	44.5 M	<14 M	<14 M	<14 M	18.9 M
Chrysene	<10 µg/kg	TM218		53.3 M	85.4 M	43 M	<10 M	83.6 M	114 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		56 M	111 M	50.6 M	<15 M	50.4 M	130 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	39.7 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	61.5 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	42.9 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	60.5 M	<24 M	<24 M	<24 M	30.3 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		656	760	188	181	564	451

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6094	TP 6094	TP 6094	TP 6094	TP 6095	TP 6095
			Depth (m)	1.00	2.00	3.00	4.00	0.30	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437116	9437121	9437125	9437170	9437130	9437134
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	102	101	103	105	101
Acenaphthene-d10 % recovery**	%	TM218		106	99.5	99.5	101	106	102
Phenanthrene-d10 % recovery**	%	TM218		105	99.3	97.6	100	105	101
Chrysene-d12 % recovery**	%	TM218		98.8	86.6	85.8	88.7	96.4	88.9
Perylene-d12 % recovery**	%	TM218		99.6	82.3	86.8	85.8	101	89.6
Naphthalene	<9 µg/kg	TM218		25.1 M	34.6 M	200 M	176 M	32.5 M	570 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	46 M	<12 M
Acenaphthene	<8 µg/kg	TM218		65.3 M	<8 M	21.1 M	<8 M	13.2 M	17.3 M
Fluorene	<10 µg/kg	TM218		41.5 M	<10 M	16.1 M	<10 M	15.7 M	22.6 M
Phenanthrene	<15 µg/kg	TM218		1100 M	241 M	232 M	170 M	228 M	265 M
Anthracene	<16 µg/kg	TM218		27.9 M	<16 M	<16 M	<16 M	72.1 M	28.4 M
Fluoranthene	<17 µg/kg	TM218		1040 M	89.2 M	325 M	59.9 M	594 M	524 M
Pyrene	<15 µg/kg	TM218		788 M	75 M	286 M	45.1 M	613 M	396 M
Benz(a)anthracene	<14 µg/kg	TM218		223 M	<14 M	174 M	<14 M	279 M	170 M
Chrysene	<10 µg/kg	TM218		470 M	107 M	320 M	61.7 M	285 M	345 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		583 M	95.3 M	337 M	53.8 M	358 M	314 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		200 M	18.5 M	175 M	<14 M	156 M	126 M
Benzo(a)pyrene	<15 µg/kg	TM218		321 M	18.3 M	260 M	<15 M	272 M	184 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		191 M	<18 M	193 M	<18 M	144 M	132 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		55.9 M	<23 M	66.7 M	<23 M	55.5 M	45.9 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		239 M	<24 M	258 M	<24 M	206 M	165 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		5370	679	2860	567	3370	3310

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6095	TP 6095	TP 6095	TP 6096	TP 6096	TP 6096
			Depth (m)	2.30	3.30	4.30	0.20	1.20	2.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437139	9437143	9437147	9437152	9437156	9437165
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	98.3	101	107	103	95.5
Acenaphthene-d10 % recovery**	%	TM218		102	97.6	101	107	102	91.8
Phenanthrene-d10 % recovery**	%	TM218		100	96.8	100	104	102	87
Chrysene-d12 % recovery**	%	TM218		87.2	84	88.6	93.6	88.1	76.9
Perylene-d12 % recovery**	%	TM218		88.3	84.1	89.3	101	86.8	73.6
Naphthalene	<9 µg/kg	TM218		399 M	331 M	1620 M	58.9 M	18.6 M	17.1 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	14.9 M	12 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	20.9 M	21.6 M	<10 M	26 M
Phenanthrene	<15 µg/kg	TM218		123 M	73.6 M	170 M	179 M	63.1 M	76.7 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	24.5 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		141 M	51.1 M	372 M	341 M	29.3 M	19.7 M
Pyrene	<15 µg/kg	TM218		110 M	40.1 M	293 M	310 M	24.3 M	21.9 M
Benz(a)anthracene	<14 µg/kg	TM218		54 M	18.4 M	140 M	221 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		126 M	39.5 M	277 M	288 M	35.8 M	32 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		138 M	51.5 M	190 M	464 M	65.3 M	33.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		50.5 M	<14 M	93.2 M	192 M	17.4 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		61.3 M	<15 M	130 M	340 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		54.6 M	<18 M	82 M	215 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	32.7 M	69.3 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		73.7 M	<24 M	97.1 M	285 M	29.6 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1330	605	3530	3020	283	227

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6100	TP 6100	TP 6100	TP 6100		
			Depth (m)	0.20	0.90	2.00	3.40		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014		
			Sample Time	.	.	.	.		
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014		
			SDG Ref	140613-104	140613-104	140613-104	140613-104		
			Lab Sample No.(s)	9437313	9437319	9437323	9437327		
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.3	96.1	92.7	96.5		
Acenaphthene-d10 % recovery**	%	TM218		99.8	99.7	90.8	95		
Phenanthrene-d10 % recovery**	%	TM218		97.5	99.5	88.5	92.3		
Chrysene-d12 % recovery**	%	TM218		88.6	90.6	80.6	82		
Perylene-d12 % recovery**	%	TM218		90.2	92.2	75.7	77		
Naphthalene	<9 µg/kg	TM218		29.6 M	279 M	128 M	150 M		
Acenaphthylene	<12 µg/kg	TM218		45.3 M	334 M	14.4 M	<12 M		
Acenaphthene	<8 µg/kg	TM218		13.2 M	175 M	54.1 M	<8 M		
Fluorene	<10 µg/kg	TM218		39.9 M	685 M	49 M	<10 M		
Phenanthrene	<15 µg/kg	TM218		174 M	3770 M	199 M	197 M		
Anthracene	<16 µg/kg	TM218		165 M	635 M	33.1 M	<16 M		
Fluoranthene	<17 µg/kg	TM218		121 M	4830 M	127 M	115 M		
Pyrene	<15 µg/kg	TM218		202 M	3760 M	130 M	97.1 M		
Benz(a)anthracene	<14 µg/kg	TM218		71.6 M	1410 M	<14 M	25.7 M		
Chrysene	<10 µg/kg	TM218		92.4 M	1670 M	<10 M	88.9 M		
Benzo(b)fluoranthene	<15 µg/kg	TM218		131 M	1590 M	<15 M	86.3 M		
Benzo(k)fluoranthene	<14 µg/kg	TM218		33.9 M	652 M	<14 M	16.1 M		
Benzo(a)pyrene	<15 µg/kg	TM218		73.7 M	1320 M	21.8 M	20 M		
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		48.6 M	641 M	<18 M	<18 M		
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	199 M	<23 M	<23 M		
Benzo(g,h,i)perylene	<24 µg/kg	TM218		75.1 M	774 M	30.8 M	30.5 M		
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1320	22700	788	827		

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6060	TP 6060	TP 6060	TP 6060	TP 6061	TP 6061
			Depth (m)	0.30	1.30	2.50	3.50	0.20	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437107	9437217	9437276	9437331	9437378	9437433
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		105	116	80	108	84	109
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1670 M	57800 M	1600 M	16800 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	420	50.2	156	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		102	7680	344	2250	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		323	10300	254	4230	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		596	19500	459	4390	44.8	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	4270	8020	<100	1990	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	7110	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	60100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	27000	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	4270	8020	<100	96200	<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		215	6900	188	2820	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		398	13000	307	2930	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	3020	<100	<100	2140	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	5170	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	38800	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	29200	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	12800	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	3020	<100	<100	75300	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1650	65100	9620	16800	172000	<100

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6061	TP 6061	TP 6062	TP 6062	TP 6062	TP 6063
			Depth (m)	2.60	3.90	0.20	1.30	2.60	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437482	9437547	9437608	9437111	9437160	9437180
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		108	119	112	104	102	86
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		491 M	<176 M	<176 M	985 M	<176 M	7420 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	45.6	<40	112
Aliphatics >C8-C10	<10 µg/kg	TM089		83.1	<40	<40	97.1	<40	635
Aliphatics >C10-C12	<10 µg/kg	TM089		157	<40	<40	436	<40	3720
Aliphatics >C12-C16	<100 µg/kg	TM173		3400	<100	1870	3180	<100	588000
Aliphatics >C16-C21	<100 µg/kg	TM173		423	<100	2170	3140	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	10900	11100	3570	263000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	2590	1900	<100	49400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3820	<100	17500	19400	3570	900000
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		64.5	<40	<40	72.5	<40	431
Aromatics >EC10-EC12	<10 µg/kg	TM089		105	<40	<40	291	<40	2480
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	8470
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	58300
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	2880	3350	4900	122000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	3180	3200	<100	37500
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	1710	1720	<100	15200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	6050	6550	4900	226000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		4290	<100	23700	26900	8540	1130000

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6063	TP 6064	TP 6064	TP 6064	TP 6064	TP 6065
			Depth (m)	0.90	0.40	1.40	2.60	3.80	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437185	9437189	9437194	9437199	9437203	9437209
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		179	92	87	95	121	103
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		687000 M	11000 M	2260 M	16000 M	<176 M	2080 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		449 M	<40 M	<40 M	53.6 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<40 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		449	<24	<24	53.6	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		12100	44.5	<40	962	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		229000	1410	54.1	9880	<40	62.7
Aliphatics >C8-C10	<10 µg/kg	TM089		213000	2460	187	2380	<40	128
Aliphatics >C10-C12	<10 µg/kg	TM089		53700	3250	1100	705	<40	1050
Aliphatics >C12-C16	<100 µg/kg	TM173		8420	87000	128000	49800	<100	4500
Aliphatics >C16-C21	<100 µg/kg	TM173		436	358000	454000	183000	<100	23300
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	509000	565000	227000	<100	28800
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	62100	57900	24700	<100	2630
Total Aliphatics >C12-C44	<100 µg/kg	TM173		8860	1020000	1210000	484000	<100	59200
Aromatics >EC5-EC7	<10 µg/kg	TM089		449	<40	<40	53.6	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		142000	1640	135	1590	<40	95.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		35800	2170	734	470	<40	702
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	31100	20300	5750	<100	3200
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	248000	149000	54500	<100	15200
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	379000	222000	92100	<100	14900
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	60500	41400	15400	<100	1690
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	23300	15600	5840	<100	457
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	718000	433000	168000	<100	35000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		696000	1740000	1640000	668000	<100	96300

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6065	TP 6065	TP 6066	TP 6066	TP 6066	TP 6066
			Depth (m)	1.50	2.50	0.40	1.20	2.50	3.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437213	9437221	9437225	9437229	9437233	9437237
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88	111	128	109	81	72
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		36700 M	5990 M	341 M	3610 M	722 M	1610 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		70.8 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	19.6 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	14.7 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	14.7	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		70.8	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		112	<40	<40	<40	<40	60.3
Aliphatics >C6-C8	<10 µg/kg	TM089		4300	242	<40	73.3	136	423
Aliphatics >C8-C10	<10 µg/kg	TM089		10600	948	53.4	128	141	463
Aliphatics >C10-C12	<10 µg/kg	TM089		8020	2440	99.8	1970	165	215
Aliphatics >C12-C16	<100 µg/kg	TM173		27300	373	1220	1130	<100	334
Aliphatics >C16-C21	<100 µg/kg	TM173		61700	381	11100	8150	7270	5440
Aliphatics >C21-C35	<100 µg/kg	TM173		64000	<100	21200	11700	11800	9260
Aliphatics >C35-C44	<100 µg/kg	TM173		4950	<100	3290	1680	920	415
Total Aliphatics >C12-C44	<100 µg/kg	TM173		158000	753	36800	22600	20000	15500
Aromatics >EC5-EC7	<10 µg/kg	TM089		70.8	<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		7050	652	44.1	101	129	309
Aromatics >EC10-EC12	<10 µg/kg	TM089		5350	1620	66.1	1310	110	143
Aromatics >EC12-EC16	<100 µg/kg	TM173		8500	<100	213	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		37900	<100	6970	2370	1820	2400
Aromatics >EC21-EC35	<100 µg/kg	TM173		35300	<100	17000	2940	6210	8680
Aromatics >EC35-EC44	<100 µg/kg	TM173		2910	<100	2540	<100	1200	1710
Aromatics >EC40-EC44	<100 µg/kg	TM173		686	<100	599	<100	195	288
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		84500	<100	26700	5310	9240	12800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		278000	6690	63800	31500	30000	29900

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6067	TP 6067	TP 6067	TP 6068	TP 6068	TP 6068
			Depth (m)	0.30	1.40	2.50	0.40	1.40	2.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437242	9437249	9437255	9437261	9437270	9437280
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		85	80	118	78	110	91
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2760 M	242000 M	381000 M	235 M	7720 M	32900 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<50 M	<50 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	270 M	257 M	<40 M	<40 M	52.2 M
Toluene	<2 µg/kg	TM089		<8 M	<20 M	<20 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<30 M	<30 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<60 M	<60 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<30 M	<30 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<36	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	270	257	<96	<24	52.2
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	896	405	<40	<40	2340
Aliphatics >C6-C8	<10 µg/kg	TM089		169	78200	105000	60.1	414	20700
Aliphatics >C8-C10	<10 µg/kg	TM089		353	62500	116000	41.5	1010	2270
Aliphatics >C10-C12	<10 µg/kg	TM089		1170	35200	49900	54.6	3360	3640
Aliphatics >C12-C16	<100 µg/kg	TM173		14600	27900	69300	491000	73400	20000
Aliphatics >C16-C21	<100 µg/kg	TM173		17400	156000	127000	973000	1840	6160
Aliphatics >C21-C35	<100 µg/kg	TM173		31500	262000	205000	1250000	<100	10600
Aliphatics >C35-C44	<100 µg/kg	TM173		11300	23600	32800	137000	<100	630
Total Aliphatics >C12-C44	<100 µg/kg	TM173		74800	470000	435000	2860000	75200	37400
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	270	257	<40	<40	52.2
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<100	<100	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		253	41700	77100	<40	671	1510
Aromatics >EC10-EC12	<10 µg/kg	TM089		777	23500	33300	<40	2240	2430
Aromatics >EC12-EC16	<100 µg/kg	TM173		4770	8900	6160	186000	15000	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		30000	78300	53100	576000	188	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		107000	212000	196000	628000	<100	4040
Aromatics >EC35-EC44	<100 µg/kg	TM173		53500	55600	58000	96900	<100	3470
Aromatics >EC40-EC44	<100 µg/kg	TM173		21900	22400	22500	33000	<100	1990
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		195000	355000	314000	1490000	15200	7520
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		272000	1070000	1130000	4340000	98100	77900

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6068	TP 6069	TP 6069	TP 6069	TP 6069	TP 6078
			Depth (m)	4.00	0.40	1.40	2.60	3.90	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437286	9437291	9437299	9437304	9437308	9437336
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		129	97	127	84	74	117
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		129000 M	13000 M	69400 M	31200 M	9650 M	360000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		1330 M	338 M	<20 M	1400 M	596 M	<50 M
Benzene	<10 µg/kg	TM089		127 M	59.9 M	<40 M	79.1 M	<40 M	651 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<20 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	17 M	<30 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	30.5 M	<60 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	58.8 M	<30 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	89.3	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		127	59.9	<24	79.1	106	651
Aliphatics >C5-C6	<10 µg/kg	TM089		1430	414	500	542	334	15500
Aliphatics >C6-C8	<10 µg/kg	TM089		50100	4410	12800	20100	5800	268000
Aliphatics >C8-C10	<10 µg/kg	TM089		18300	1590	19400	4620	1140	38000
Aliphatics >C10-C12	<10 µg/kg	TM089		27500	3050	14200	789	530	6960
Aliphatics >C12-C16	<100 µg/kg	TM173		32800	<100	151000	558	2370	6160
Aliphatics >C16-C21	<100 µg/kg	TM173		7100	<100	35000	<100	548	3640
Aliphatics >C21-C35	<100 µg/kg	TM173		6620	<100	13400	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		930	<100	1720	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		47400	<100	201000	558	2920	9800
Aromatics >EC5-EC7	<10 µg/kg	TM089		127	59.9	<40	79.1	<40	651
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<100
Aromatics >EC8-EC10	<10 µg/kg	TM089		12200	1060	12900	3080	868	25400
Aromatics >EC10-EC12	<10 µg/kg	TM089		18300	2040	9490	525	354	4640
Aromatics >EC12-EC16	<100 µg/kg	TM173		1350	<100	7340	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		3220	<100	10300	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		3290	<100	2600	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		4640	<100	3340	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		2760	<100	1490	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		12500	<100	23600	<100	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		188000	12600	294000	30300	12000	369000

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6078	TP 6078	TP 6078	TP 6079	TP 6079	TP 6079
			Depth (m)	1.70	2.70	3.50	0.30	1.00	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437340	9437345	9437349	9437354	9437358	9437362
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		109	102	80	89	113	44
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		129000 M	3930 M	797 M	8350 M	5050 M	741 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		1030 M	73.9 M	53.8 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	13.1 M	12.8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		1480 M	<12 M	<12 M	<12 M	20.9 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		5190 M	<24 M	39.2 M	35 M	31.3 M	<24 M
o-Xylene	<3 µg/kg	TM089		732 M	<12 M	<12 M	16.4 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		5920	<9	39.2	51.4	31.3	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		8430	73.9	93	64.5	65	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		4980	566	102	97.3	75.4	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		61900	3010	332	423	521	57.1
Aliphatics >C8-C10	<10 µg/kg	TM089		23900	119	106	371	521	193
Aliphatics >C10-C12	<10 µg/kg	TM089		8200	43.7	51.5	4260	2080	199
Aliphatics >C12-C16	<100 µg/kg	TM173		1080	2160	1740	<100	14800	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	149	<100	<100	2660	<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		1080	2310	1740	<100	17500	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		1030	73.9	53.8	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		23300	86.2	119	306	408	134
Aromatics >EC10-EC12	<10 µg/kg	TM089		5470	<40	<40	2840	1390	133
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	838	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	1590	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	949	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	1590	<100	<100	838	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		130000	7820	2540	8350	23400	740

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6080	TP 6080	TP 6080	TP 6081	TP 6081	TP 6081
			Depth (m)	0.40	1.60	3.10	0.40	1.40	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437366	9437370	9437374	9437382	9437388	9437392
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		89	87	82	116	90	90
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		129000 M	1350 M	2380 M	2340 M	<880 M	1080 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<100 M	<100 M	<20 M	<100 M	<100 M
Benzene	<10 µg/kg	TM089		<40 M	<200 M	<200 M	<40 M	<200 M	<200 M
Toluene	<2 µg/kg	TM089		34.2 M	<40 M	<40 M	<8 M	<40 M	<40 M
Ethylbenzene	<3 µg/kg	TM089		303 M	<60 M	<60 M	<12 M	<60 M	<60 M
m,p-Xylene	<6 µg/kg	TM089		230 M	<120 M	<120 M	<24 M	<120 M	<120 M
o-Xylene	<3 µg/kg	TM089		<12 M	<60 M	<60 M	<12 M	<60 M	<60 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		230	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		567	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		60.4	<200	<200	<40	<200	<200
Aliphatics >C6-C8	<10 µg/kg	TM089		839	307	207	128	<200	270
Aliphatics >C8-C10	<10 µg/kg	TM089		22600	296	392	229	<200	342
Aliphatics >C10-C12	<10 µg/kg	TM089		54100	202	840	1050	<200	<200
Aliphatics >C12-C16	<100 µg/kg	TM173		860000	<100	3720	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		124000	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		89500	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		10500	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1080000	<100	3720	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<200	<200	<40	<200	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200	<200	<40	<200	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		15600	233	278	164	<200	233
Aromatics >EC10-EC12	<10 µg/kg	TM089		36100	<200	559	700	<200	<200
Aromatics >EC12-EC16	<100 µg/kg	TM173		35000	<100	<100	<100	<100	1390
Aromatics >EC16-EC21	<100 µg/kg	TM173		22400	<100	<100	<100	<100	766
Aromatics >EC21-EC35	<100 µg/kg	TM173		59300	<100	<100	<100	<100	312
Aromatics >EC35-EC44	<100 µg/kg	TM173		15500	<100	<100	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		5070	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		132000	<100	<100	<100	<100	2470
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1350000	1290	6100	2300	599	3550

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6082	TP 6082	TP 6082	TP 6082	TP 6083	TP 6083
			Depth (m)	0.20	0.90	2.10	3.50	0.20 - 0.40	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437396	9437401	9437406	9437411	9437417	9437423
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		102	77	93	93	109	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		41900 M	49500 M	13300 M	199000 M	11900 M	3010 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<100 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<200 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<40 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<60 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		108 M	<24 M	<120 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<60 M	<12 M	65.9 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		108	<9	<9	<36	65.9	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		108	<24	<24	<96	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		493	41.4	<200	52.6	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		5020	451	233	1400	97.6	101
Aliphatics >C8-C10	<10 µg/kg	TM089		7210	9670	957	37900	1480	579
Aliphatics >C10-C12	<10 µg/kg	TM089		14500	19800	6750	80500	5550	1140
Aliphatics >C12-C16	<100 µg/kg	TM173		230000	22600	15800	85400	695000	1440
Aliphatics >C16-C21	<100 µg/kg	TM173		519	<100	<100	<100	107000	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		1660	<100	<100	17300	122000	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	2960	37000	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		232000	22600	15800	106000	961000	1440
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<200	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<200	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		4920	6440	661	25300	1070	408
Aromatics >EC10-EC12	<10 µg/kg	TM089		9690	13200	4500	53700	3700	759
Aromatics >EC12-EC16	<100 µg/kg	TM173		14300	4620	5430	15300	12800	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1760	<100	<100	<100	13700	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		5670	850	<100	3220	62800	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		2850	1460	<100	1240	29600	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		1270	604	<100	<100	11200	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		24600	6930	5430	19800	119000	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		299000	79000	34400	324000	1090000	4440

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6083	TP 6083	TP 6084	TP 6084	TP 6084	TP 6084
			Depth (m)	2.30	3.50	0.50	1.60	2.80	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437427	9437437	9437442	9437446	9437450	9437454
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		83	84	88	96	87	123
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		20400 M	53600 M	491 M	6800 M	<880 M	2430 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 M	<100 M	<20 M	<20 M	<100 M	<100 M
Benzene	<10 µg/kg	TM089		<200 M	<200 M	<40 M	<40 M	<200 M	<200 M
Toluene	<2 µg/kg	TM089		<40 M	<40 M	<8 M	<8 M	<40 M	<40 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<60 M	<12 M	<12 M	<60 M	<60 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<120 M	<24 M	<24 M	<120 M	<120 M
o-Xylene	<3 µg/kg	TM089		<60 M	<60 M	<12 M	<12 M	<60 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	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<200	<200	<40	<40	<200	<200
Aliphatics >C6-C8	<10 µg/kg	TM089		<200	211	57.3	272	<200	329
Aliphatics >C8-C10	<10 µg/kg	TM089		493	1490	66.7	1960	<200	485
Aliphatics >C10-C12	<10 µg/kg	TM089		11400	30300	173	1950	<200	671
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	119	4890	1380	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	1210	155	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	2800	<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	119	8900	1540	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	<200	<40	<40	<200	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<200	<40	<40	<200	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		371	1030	53.8	1300	<200	355
Aromatics >EC10-EC12	<10 µg/kg	TM089		7580	20200	116	1300	<200	447
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	2040	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	4970	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		375	386	20900	<100	<100	386
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	9240	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	3480	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		375	386	37200	<100	<100	386
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		20500	53800	46600	8340	634	2810

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6085	TP 6085	TP 6085	TP 6085	TP 6086	TP 6086
			Depth (m)	0.40	1.10	2.70	3.70	0.50	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437460	9437464	9437468	9437473	9437478	9437490
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		131	108	114	134	114	112
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		291000 M	1450000 M	133000 M	850000 M	99500 M	140000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<100 M	<20 M	<50 M	<20 M	<50 M
Benzene	<10 µg/kg	TM089		<40 M	<200 M	<40 M	<100 M	353 M	<100 M
Toluene	<2 µg/kg	TM089		<8 M	<40 M	<8 M	<20 M	<8 M	<20 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	<30 M	258 M	<30 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<120 M	<24 M	<60 M	1950 M	<60 M
o-Xylene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	<30 M	<12 M	<30 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	1950	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	2560	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		113	1170	781	7320	641	2080
Aliphatics >C6-C8	<10 µg/kg	TM089		15700	44300	14600	160000	8310	15800
Aliphatics >C8-C10	<10 µg/kg	TM089		87900	372000	30700	221000	16500	28700
Aliphatics >C10-C12	<10 µg/kg	TM089		77100	469000	39700	188000	36300	44300
Aliphatics >C12-C16	<100 µg/kg	TM173		441000	798000	165000	439000	363000	3640
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	10400	4530	10300	19900	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	5500	<100	7430	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	610	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		441000	814000	170000	457000	383000	3640
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<200	<40	<100	353	<100
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200	<40	<100	<40	<100
Aromatics >EC8-EC10	<10 µg/kg	TM089		58600	248000	20500	148000	13200	19100
Aromatics >EC10-EC12	<10 µg/kg	TM089		51400	312000	26500	126000	24200	29500
Aromatics >EC12-EC16	<100 µg/kg	TM173		64300	161000	3660	14300	76600	4190
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	1840	<100	2460	4270	139
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	1960	6440	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		2880	<100	1120	905	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		1740	<100	336	138	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		67200	163000	6740	24100	80900	4330
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		799000	2420000	309000	1330000	563000	147000

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6086	TP 6087	TP 6087	TP 6087	TP 6087	TP 6088
			Depth (m)	2.50	0.50	1.50	2.70	3.90	0.40 - 0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437497	9437502	9437508	9437516	9437524	9437529
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		92	93	122	109	99	110
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		73700 M	30900 M	27100 M	6570 M	293000 M	52600 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	36.3 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	53.7 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	53.7
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	90
Aliphatics >C5-C6	<10 µg/kg	TM089		1160	75	51.3	<40	393	49.3
Aliphatics >C6-C8	<10 µg/kg	TM089		9380	474	1380	216	10700	318
Aliphatics >C8-C10	<10 µg/kg	TM089		16500	1940	5830	1570	82900	6810
Aliphatics >C10-C12	<10 µg/kg	TM089		21400	16200	9590	2220	86200	24500
Aliphatics >C12-C16	<100 µg/kg	TM173		50200	5770	23400	<100	1070	97800
Aliphatics >C16-C21	<100 µg/kg	TM173		7290	961	1180	<100	<100	11900
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	8590	<100	<100	<100	16400
Aliphatics >C35-C44	<100 µg/kg	TM173		1820	340	<100	<100	<100	448
Total Aliphatics >C12-C44	<100 µg/kg	TM173		59300	15700	24600	<100	1070	127000
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		11000	1330	3890	1050	55200	4630
Aromatics >EC10-EC12	<10 µg/kg	TM089		14300	10800	6390	1480	57500	16300
Aromatics >EC12-EC16	<100 µg/kg	TM173		2060	<100	<100	<100	364	4300
Aromatics >EC16-EC21	<100 µg/kg	TM173		1580	1500	<100	<100	<100	3720
Aromatics >EC21-EC35	<100 µg/kg	TM173		203	28800	<100	<100	<100	50400
Aromatics >EC35-EC44	<100 µg/kg	TM173		4740	15300	<100	<100	<100	17000
Aromatics >EC40-EC44	<100 µg/kg	TM173		2830	3970	<100	<100	<100	5280
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		8580	45500	<100	<100	364	75400
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		142000	92000	51700	6570	294000	255000

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6088	TP 6088	TP 6088	TP 6089	TP 6089	TP 6089
			Depth (m)	1.20	2.40	3.90	0.30	0.80	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437533	9437538	9437543	9437551	9437557	9437561
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		165	121	113	100	134	115
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		21800 M	111000 M	21600 M	468 M	1020 M	224000 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	68.4 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	68.4	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	398	2030	<40	<40	365
Aliphatics >C6-C8	<10 µg/kg	TM089		76.3	3610	7010	48.4	<40	7130
Aliphatics >C8-C10	<10 µg/kg	TM089		4580	29300	3300	64.1	95.2	56600
Aliphatics >C10-C12	<10 µg/kg	TM089		8420	35100	4230	169	461	72900
Aliphatics >C12-C16	<100 µg/kg	TM173		8120	<100	5060	<100	<100	375000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	464	<100	<100	58800
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	466	<100	3230
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		8120	<100	5520	466	<100	437000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	68.4	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		3060	19500	2200	46	73.8	37800
Aromatics >EC10-EC12	<10 µg/kg	TM089		5610	23400	2820	113	307	48600
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	103000
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	365	<100	22600
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	10700	1390	3660
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	1600	<100	982
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	104
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	12600	1390	130000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		29900	111000	27200	13600	2390	791000

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6089	TP 6090	TP 6090	TP 6090	TP 6090	TP 6091
			Depth (m)	3.70	0.20	1.20	2.50	3.80	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437566	9437571	9437577	9437585	9437175	9437590
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		74	112	99	111	131	109
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		5320 M	456 M	16300 M	16100 M	2070000 3 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 M	<20 M	<20 M	<20 M	<100 M	<20 M
Benzene	<10 µg/kg	TM089		<200 M	<40 M	<40 M	140 M	<200 M	<40 M
Toluene	<2 µg/kg	TM089		<40 M	<8 M	<8 M	<8 M	<40 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	<60 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<24 M	27.8 M	241 M	<120 M	<24 M
o-Xylene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	<60 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	27.8	241	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	27.8	381	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<200	<40	<40	1050	40900 3	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		328	59.7	128	9680	523000 3	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		1210	79.6	1680	1860	589000 3	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		1750	139	7990	1100	317000 3	40.7
Aliphatics >C12-C16	<100 µg/kg	TM173		5380	2020	<100	<100	353000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	52700	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	178	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		5380	2200	<100	<100	406000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	<40	<40	140	<200 3	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<40	<40	<40	<200 3	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		805	64.4	1150	1480	393000 3	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		1170	93.6	5320	737	211000 3	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	191000	683
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	18000	287
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	168	<100	13400	6110	3610
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	844	1980
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	370
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	168	<100	13400	216000	6560
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		10700	2820	16300	29500	2700000	6620

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6091	TP 6091	TP 6091	TP 6092	TP 6092	TP 6092
			Depth (m)	1.20	2.50	3.50	0.40	1.20	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437596	9437602	9437615	9437622	9437629	9437635
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		108	143	109	100	95	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1930 M	158000 M	504000 M	583 M	20400 M	4100 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<100 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	615 M	<200 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<40 M	12.8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<60 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<120 M	30.2 M	<24 M	37.8 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<60 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	30.2	<9	37.8
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	615	<24	43	<24	37.8
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	22400	39500	<40	281	58
Aliphatics >C6-C8	<10 µg/kg	TM089		50.4	80700	231000	80	9070	1220
Aliphatics >C8-C10	<10 µg/kg	TM089		62.7	27300	109000	123	6040	1260
Aliphatics >C10-C12	<10 µg/kg	TM089		1050	5300	31300	131	585	406
Aliphatics >C12-C16	<100 µg/kg	TM173		2960	1810	1140	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		806	634	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		507	3020	<100	1160	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		4270	5470	1140	1160	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	615	<200	<40	41.6	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<200	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		49.2	18200	72500	123	4030	876
Aromatics >EC10-EC12	<10 µg/kg	TM089		697	3540	20900	88.2	389	271
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	604	1550	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	539	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		583	6290	850	<100	<100	1990
Aromatics >EC35-EC44	<100 µg/kg	TM173		2130	4260	3020	<100	2020	1840
Aromatics >EC40-EC44	<100 µg/kg	TM173		1330	1520	569	<100	733	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		2710	11700	5410	<100	2020	3830
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		8910	175000	511000	1740	22500	7920

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6092	TP 6093	TP 6093	TP 6093	TP 6093	TP 6094
			Depth (m)	3.50	0.30	1.20	2.50	3.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437641	9437648	9437652	9437656	9437666	9437672
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		149	103	108	108	101	80
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		58300 M	206 M	<176 M	<176 M	32500 M	1170 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	49.2 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	124 M	97.4 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	28.4 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	124	126
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	124	175
Aliphatics >C5-C6	<10 µg/kg	TM089		120	<40	<40	<40	93.2	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		2720	<40	<40	<40	1840	226
Aliphatics >C8-C10	<10 µg/kg	TM089		11400	<40	<40	<40	8690	277
Aliphatics >C10-C12	<10 µg/kg	TM089		21800	46.8	<40	46.7	9590	147
Aliphatics >C12-C16	<100 µg/kg	TM173		165000	<100	<100	5210	100000	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		659	<100	<100	<100	2590	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	1680	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		166000	1680	<100	5210	103000	<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		7620	<40	<40	<40	5920	360
Aromatics >EC10-EC12	<10 µg/kg	TM089		14500	<40	<40	<40	6390	97.4
Aromatics >EC12-EC16	<100 µg/kg	TM173		51500	<100	682	1460	6620	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		1280	126	<100	<100	204	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		5130	2650	<100	4780	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		1810	1120	<100	2560	507	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		59700	3900	682	8800	7330	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		284000	5750	724	14200	143000	1170

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6094	TP 6094	TP 6094	TP 6094	TP 6095	TP 6095
			Depth (m)	1.00	2.00	3.00	4.00	0.30	1.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437116	9437121	9437125	9437170	9437130	9437134
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		105	119	106	133	90	140
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		5870 M	42800 M	284000 M	110000 M	264 M	161000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<100 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	50.7 M	<200 M	93 M	<40 M	535 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<40 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<60 M	<12 M	26 M	7230 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<120 M	<24 M	48.4 M	17000 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<60 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	48.4	17000
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	50.7	<24	93	74.4	24800
Aliphatics >C5-C6	<10 µg/kg	TM089		56.6	563	2420	2040	<40	1730
Aliphatics >C6-C8	<10 µg/kg	TM089		590	12400	84400	34500	<40	27100
Aliphatics >C8-C10	<10 µg/kg	TM089		1440	13100	62200	20700	<40	46800
Aliphatics >C10-C12	<10 µg/kg	TM089		1670	4760	56300	23400	<40	18000
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	791	35600	21700	4430	53200
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	905	379	22200	4180
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	1670	8600	177000	10200
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	1050	73300	8890
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	791	38200	31700	277000	76500
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	50.7	<200	93	<40	535
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<200	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		991	8710	41400	13800	104	55400
Aromatics >EC10-EC12	<10 µg/kg	TM089		1110	3170	37600	15600	<40	12000
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	9240	6760	864	17000
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	263	14800	3570
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	8080	17400	176000	22300
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	140	3690	112000	23700
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	862	45000	9660
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	17500	28100	303000	66600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		5870	43500	340000	170000	580000	305000

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6095	TP 6095	TP 6095	TP 6096	TP 6096	TP 6096
			Depth (m)	2.30	3.30	4.30	0.20	1.20	2.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014	11/06/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014	13/06/2014
			SDG Ref	140613-104	140613-104	140613-104	140613-104	140613-104	140613-104
			Lab Sample No.(s)	9437139	9437143	9437147	9437152	9437156	9437165
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		110	105	127	100	74	107
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		240000 M	316000 M	189000 M	472 M	311 M	374000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 M	<50 M	<20 M	<20 M	<20 M	<100 M
Benzene	<10 µg/kg	TM089		<200 M	531 M	391 M	<40 M	<40 M	<200 M
Toluene	<2 µg/kg	TM089		<40 M	<20 M	<8 M	<8 M	<8 M	<40 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	2110 M	<12 M	<12 M	<12 M	<60 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	3390 M	<24 M	<24 M	<24 M	<120 M
o-Xylene	<3 µg/kg	TM089		<60 M	<30 M	<12 M	<12 M	<12 M	<60 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	3390	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	6030	391	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		732	10800	4410	<40	<40	1850
Aliphatics >C6-C8	<10 µg/kg	TM089		30700	97800	61500	44.1	<40	61300
Aliphatics >C8-C10	<10 µg/kg	TM089		44100	73200	54800	71.9	65	44900
Aliphatics >C10-C12	<10 µg/kg	TM089		81000	47400	18800	168	96.9	142000
Aliphatics >C12-C16	<100 µg/kg	TM173		9560	21400	20300	30400	4010	4520
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	309	2870	3170	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		1160	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		10700	21700	23100	33600	4010	4520
Aromatics >EC5-EC7	<10 µg/kg	TM089		202	531	391	<40	<40	<200
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<100	<40	<40	<40	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		29400	54300	36500	63.8	50.2	29900
Aromatics >EC10-EC12	<10 µg/kg	TM089		54000	31600	12500	113	65	94500
Aromatics >EC12-EC16	<100 µg/kg	TM173		668	8510	10200	9210	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	543	1350	4440	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		4380	5870	435	6940	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		5960	9610	1240	2080	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		2400	3420	266	467	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		11000	24500	13200	22700	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		262000	362000	225000	56700	4320	379000

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6100	TP 6100	TP 6100	TP 6100		
			Depth (m)	0.20	0.90	2.00	3.40		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	11/06/2014	11/06/2014	11/06/2014	11/06/2014		
			Sample Time	.	.	.	.		
			Date Received	13/06/2014	13/06/2014	13/06/2014	13/06/2014		
			SDG Ref	140613-104	140613-104	140613-104	140613-104		
			Lab Sample No.(s)	9437313	9437319	9437323	9437327		
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		87	68	115	132		
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	20600 M	41600 M	1660000 3 M		
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<100 M		
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	2640 M		
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<40 M		
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<60 M		
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<120 M		
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<60 M		
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9		
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	2640		
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	116	62500 3		
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	150	3380	672000 3		
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	1380	6310	421000 3		
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	10800	16500	132000 3		
Aliphatics >C12-C16	<100 µg/kg	TM173		33000	790000	181000	20800		
Aliphatics >C16-C21	<100 µg/kg	TM173		195000	834000	200000	19000		
Aliphatics >C21-C35	<100 µg/kg	TM173		330000	240000	66800	4760		
Aliphatics >C35-C44	<100 µg/kg	TM173		52700	9050	1890	374		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		610000	1870000	449000	45000		
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	2640 3		
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<200 3		
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	926	4210	281000 3		
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	7220	11000	88000 3		
Aromatics >EC12-EC16	<100 µg/kg	TM173		4430	73600	9520	4520		
Aromatics >EC16-EC21	<100 µg/kg	TM173		95100	215000	35300	8890		
Aromatics >EC21-EC35	<100 µg/kg	TM173		351000	105000	24700	2410		
Aromatics >EC35-EC44	<100 µg/kg	TM173		77200	9320	3190	<100		
Aromatics >EC40-EC44	<100 µg/kg	TM173		29100	3250	1070	<100		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		527000	402000	72700	15800		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1140000	2300000	564000	1720000		

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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	TP 6060 0.30 SOLID 11/06/2014 00:00:00 140613-104 9437107 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6061 0.20 SOLID 11/06/2014 00:00:00 140613-104 9437378 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6062 0.20 SOLID 11/06/2014 00:00:00 140613-104 9437608 TM048	24/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6063 0.30 SOLID 11/06/2014 00:00:00 140613-104 9437180 TM048	25/6/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6063 0.90 SOLID 11/06/2014 00:00:00 140613-104 9437185 TM048	24/06/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6064 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437189 TM048	24/6/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6065 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437209 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6066 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437225 TM048	24/6/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6067 0.30 SOLID 11/06/2014 00:00:00 140613-104 9437242 TM048	24/6/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6068 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437261 TM048	24/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6069 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437291 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6078 0.70 SOLID 11/06/2014 00:00:00 140613-104 9437336 TM048	24/6/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6079 0.30 SOLID 11/06/2014 00:00:00 140613-104 9437354 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6080 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437366 TM048	25/6/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6081 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437382 TM048	24/6/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6082 0.20 SOLID 11/06/2014 00:00:00 140613-104 9437396 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6083 0.20 - 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437417 TM048	24/6/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6083 1.00 SOLID 11/06/2014 00:00:00 140613-104 9437423 TM048	24/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6084 0.50 SOLID 11/06/2014 00:00:00 140613-104 9437442 TM048	24/6/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6085 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437460 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6086 0.50 SOLID 11/06/2014 00:00:00 140613-104 9437478 TM048	24/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6087 0.50 SOLID 11/06/2014 00:00:00 140613-104 9437502 TM048	24/6/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6088 0.40 - 0.60 SOLID 11/06/2014 00:00:00 140613-104 9437529 TM048	24/6/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6089 0.30 SOLID 11/06/2014 00:00:00 140613-104 9437551 TM048	24/6/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6089 0.80 SOLID 11/06/2014 00:00:00 140613-104 9437557 TM048	24/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6090 0.20 SOLID 11/06/2014 00:00:00 140613-104 9437571 TM048	24/6/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6091 0.10 SOLID 11/06/2014 00:00:00 140613-104 9437590 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6092 0.40 SOLID 11/06/2014 00:00:00 140613-104 9437622 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6093 0.30 SOLID 11/06/2014 00:00:00 140613-104 9437648 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6094 0.20 SOLID 11/06/2014 00:00:00 140613-104 9437672 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6094 1.00 SOLID 11/06/2014 00:00:00 140613-104 9437116 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6095 0.30 SOLID 11/06/2014 00:00:00 140613-104 9437130 TM048	24/6/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6096 0.20 SOLID 11/06/2014 00:00:00 140613-104 9437152 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6100 0.20 SOLID 11/06/2014 00:00:00 140613-104 9437313 TM048	24/6/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP 6100 0.90 SOLID 11/06/2014 00:00:00 140613-104 9437319 TM048	24/6/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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)		
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:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	9437107	9437217	9437276	9437331	9437378	9437433	9437482	9437547	9437111	9437160
Customer Sample Ref.	TP 6060	TP 6060	TP 6060	TP 6060	TP 6061	TP 6061	TP 6061	TP 6061	TP 6062	TP 6062
AGS Ref.										
Depth	0.30	1.30	2.50	3.50	0.20	1.20	2.60	3.90	1.30	2.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Jun-2014				25-Jun-2014					
EPH CWG (Aliphatic) GC (S)	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	23-Jun-2014	25-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	23-Jun-2014	25-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
Metals in solid samples by OES	23-Jun-2014	23-Jun-2014	20-Jun-2014	23-Jun-2014	23-Jun-2014	19-Jun-2014	23-Jun-2014	19-Jun-2014	19-Jun-2014	20-Jun-2014
PAH by GCMS	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014
pH	23-Jun-2014	20-Jun-2014	19-Jun-2014	20-Jun-2014	23-Jun-2014	19-Jun-2014	20-Jun-2014	20-Jun-2014	20-Jun-2014	20-Jun-2014
Sample description	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014
Total Organic Carbon	23-Jun-2014				23-Jun-2014					
TPH CWG GC (S)	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	23-Jun-2014	25-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014

Lab Sample No(s)	9437608	9437180	9437185	9437189	9437194	9437199	9437203	9437209	9437213	9437221
Customer Sample Ref.	TP 6062	TP 6063	TP 6063	TP 6064	TP 6064	TP 6064	TP 6064	TP 6065	TP 6065	TP 6065
AGS Ref.										
Depth	0.20	0.30	0.90	0.40	1.40	2.60	3.80	0.40	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Jun-2014	25-Jun-2014	25-Jun-2014	25-Jun-2014				25-Jun-2014		
EPH CWG (Aliphatic) GC (S)	25-Jun-2014	25-Jun-2014	25-Jun-2014	23-Jun-2014	25-Jun-2014	25-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014
EPH CWG (Aromatic) GC (S)	25-Jun-2014	25-Jun-2014	25-Jun-2014	23-Jun-2014	25-Jun-2014	25-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	23-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
Metals in solid samples by OES	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	20-Jun-2014	20-Jun-2014	19-Jun-2014	23-Jun-2014	20-Jun-2014	20-Jun-2014
PAH by GCMS	25-Jun-2014	25-Jun-2014	25-Jun-2014	25-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014
pH	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	20-Jun-2014	20-Jun-2014	19-Jun-2014	23-Jun-2014	20-Jun-2014	19-Jun-2014
Sample description	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014
Total Organic Carbon	23-Jun-2014									
TPH CWG GC (S)	25-Jun-2014	25-Jun-2014	25-Jun-2014	23-Jun-2014	25-Jun-2014	25-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014

Lab Sample No(s)	9437225	9437229	9437233	9437237	9437242	9437249	9437255	9437261	9437270	9437280
Customer Sample Ref.	TP 6066	TP 6066	TP 6066	TP 6066	TP 6067	TP 6067	TP 6067	TP 6068	TP 6068	TP 6068
AGS Ref.										
Depth	0.40	1.20	2.50	3.60	0.30	1.40	2.50	0.40	1.40	2.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Jun-2014				25-Jun-2014			25-Jun-2014		
EPH CWG (Aliphatic) GC (S)	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014	23-Jun-2014	25-Jun-2014
EPH CWG (Aromatic) GC (S)	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014	23-Jun-2014	25-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	22-Jun-2014	24-Jun-2014	24-Jun-2014	22-Jun-2014	22-Jun-2014	22-Jun-2014
Metals in solid samples by OES	23-Jun-2014	20-Jun-2014	20-Jun-2014	20-Jun-2014	24-Jun-2014	20-Jun-2014	20-Jun-2014	24-Jun-2014	20-Jun-2014	19-Jun-2014
PAH by GCMS	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
pH	23-Jun-2014	20-Jun-2014	19-Jun-2014	19-Jun-2014	23-Jun-2014	19-Jun-2014	19-Jun-2014	25-Jun-2014	19-Jun-2014	20-Jun-2014
Sample description	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014
TPH CWG GC (S)	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	23-Jun-2014	25-Jun-2014

Lab Sample No(s)	9437286	9437291	9437299	9437304	9437308	9437336	9437340	9437345	9437349	9437354
Customer Sample Ref.	TP 6068	TP 6069	TP 6069	TP 6069	TP 6069	TP 6078	TP 6078	TP 6078	TP 6078	TP 6079
AGS Ref.										
Depth	4.00	0.40	1.40	2.60	3.90	0.70	1.70	2.70	3.50	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		25-Jun-2014				25-Jun-2014				25-Jun-2014
EPH CWG (Aliphatic) GC (S)	25-Jun-2014	24-Jun-2014	23-Jun-2014	25-Jun-2014	23-Jun-2014	24-Jun-2014	25-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	25-Jun-2014	24-Jun-2014	23-Jun-2014	25-Jun-2014	23-Jun-2014	24-Jun-2014	25-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	22-Jun-2014	22-Jun-2014	22-Jun-2014	22-Jun-2014	22-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
Metals in solid samples by OES	20-Jun-2014	24-Jun-2014	20-Jun-2014	19-Jun-2014	19-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
PAH by GCMS	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014
pH	20-Jun-2014	25-Jun-2014	19-Jun-2014	20-Jun-2014	19-Jun-2014	20-Jun-2014	20-Jun-2014	20-Jun-2014	20-Jun-2014	23-Jun-2014
Sample description	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014
Total Organic Carbon		24-Jun-2014								
TPH CWG GC (S)	25-Jun-2014	24-Jun-2014	23-Jun-2014	25-Jun-2014	23-Jun-2014	24-Jun-2014	25-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Lab Sample No(s)	9437358	9437362	9437366	9437370	9437374	9437382	9437388	9437392	9437396	9437401
Customer Sample Ref.	TP 6079	TP 6079	TP 6080	TP 6080	TP 6080	TP 6081	TP 6081	TP 6081	TP 6082	TP 6082
AGS Ref.										
Depth	1.00	2.50	0.40	1.60	3.10	0.40	1.40	3.00	0.20	0.90
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			25-Jun-2014			25-Jun-2014			25-Jun-2014	
EPH CWG (Aliphatic) GC (S)	25-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	25-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	22-Jun-2014	22-Jun-2014
Metals in solid samples by OES	23-Jun-2014	23-Jun-2014	24-Jun-2014	19-Jun-2014	19-Jun-2014	23-Jun-2014	19-Jun-2014	20-Jun-2014	23-Jun-2014	24-Jun-2014
PAH by GCMS	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014
pH	20-Jun-2014	20-Jun-2014	25-Jun-2014	20-Jun-2014	20-Jun-2014	23-Jun-2014	20-Jun-2014	19-Jun-2014	23-Jun-2014	19-Jun-2014
Sample description	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014
Total Organic Carbon									23-Jun-2014	
TPH CWG GC (S)	25-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014

Lab Sample No(s)	9437406	9437411	9437417	9437423	9437427	9437437	9437442	9437446	9437450	9437454
Customer Sample Ref.	TP 6082	TP 6082	TP 6083	TP 6083	TP 6083	TP 6083	TP 6084	TP 6084	TP 6084	TP 6084
AGS Ref.										
Depth	2.10	3.50	0.20 - 0.40	1.00	2.30	3.50	0.50	1.60	2.80	4.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples			25-Jun-2014	25-Jun-2014			25-Jun-2014			
EPH CWG (Aliphatic) GC (S)	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	25-Jun-2014	22-Jun-2014	22-Jun-2014	22-Jun-2014	25-Jun-2014	25-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014
Metals in solid samples by OES	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014
PAH by GCMS	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
pH	19-Jun-2014	19-Jun-2014	23-Jun-2014	25-Jun-2014	19-Jun-2014	19-Jun-2014	25-Jun-2014	19-Jun-2014	19-Jun-2014	19-Jun-2014
Sample description	17-Jun-2014	17-Jun-2014	18-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014
Total Organic Carbon				23-Jun-2014						
TPH CWG GC (S)	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014

Lab Sample No(s)	9437460	9437464	9437468	9437473	9437478	9437490	9437497	9437502	9437508	9437516
Customer Sample Ref.	TP 6085	TP 6085	TP 6085	TP 6085	TP 6086	TP 6086	TP 6086	TP 6087	TP 6087	TP 6087
AGS Ref.										
Depth	0.40	1.10	2.70	3.70	0.50	1.60	2.50	0.50	1.50	2.70
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Jun-2014				25-Jun-2014			25-Jun-2014		
EPH CWG (Aliphatic) GC (S)	23-Jun-2014	23-Jun-2014	25-Jun-2014	26-Jun-2014	23-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014
EPH CWG (Aromatic) GC (S)	23-Jun-2014	23-Jun-2014	25-Jun-2014	26-Jun-2014	23-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
Metals in solid samples by OES	23-Jun-2014	19-Jun-2014	20-Jun-2014	23-Jun-2014	23-Jun-2014	19-Jun-2014	20-Jun-2014	24-Jun-2014	19-Jun-2014	19-Jun-2014
PAH by GCMS	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
pH	23-Jun-2014	19-Jun-2014	19-Jun-2014	20-Jun-2014	23-Jun-2014	19-Jun-2014	19-Jun-2014	23-Jun-2014	20-Jun-2014	20-Jun-2014
Sample description	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014
TPH CWG GC (S)	23-Jun-2014	24-Jun-2014	25-Jun-2014	26-Jun-2014	23-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014

Lab Sample No(s)	9437524	9437529	9437533	9437538	9437543	9437551	9437557	9437561	9437566	9437175
Customer Sample Ref.	TP 6087	TP 6088	TP 6088	TP 6088	TP 6088	TP 6089	TP 6089	TP 6089	TP 6089	TP 6090
AGS Ref.										
Depth	3.90	0.40 - 0.60	1.20	2.40	3.90	0.30	0.80	2.00	3.70	3.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		25-Jun-2014				25-Jun-2014	25-Jun-2014			
EPH CWG (Aliphatic) GC (S)	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
Metals in solid samples by OES	19-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	19-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
PAH by GCMS	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
pH	20-Jun-2014	23-Jun-2014	20-Jun-2014	20-Jun-2014	20-Jun-2014	23-Jun-2014	25-Jun-2014	20-Jun-2014	19-Jun-2014	19-Jun-2014
Sample description	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014
Total Organic Carbon		24-Jun-2014								
TPH CWG GC (S)	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014

CERTIFICATE OF ANALYSIS

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**Superseded Report:**	

Lab Sample No(s)	9437571	9437577	9437585	9437590	9437596	9437602	9437615	9437622	9437629	9437635
Customer Sample Ref.	TP 6090	TP 6090	TP 6090	TP 6091	TP 6091	TP 6091	TP 6091	TP 6092	TP 6092	TP 6092
AGS Ref.										
Depth	0.20	1.20	2.50	0.10	1.20	2.50	3.50	0.40	1.20	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Jun-2014			25-Jun-2014				25-Jun-2014		
EPH CWG (Aliphatic) GC (S)	25-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	25-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
Metals in solid samples by OES	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014
PAH by GCMS	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014
pH	23-Jun-2014	20-Jun-2014	19-Jun-2014	23-Jun-2014	19-Jun-2014	19-Jun-2014	19-Jun-2014	23-Jun-2014	23-Jun-2014	19-Jun-2014
Sample description	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	18-Jun-2014	18-Jun-2014	18-Jun-2014	18-Jun-2014	18-Jun-2014
TPH CWG GC (S)	25-Jun-2014	23-Jun-2014	25-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014

Lab Sample No(s)	9437641	9437648	9437652	9437656	9437666	9437116	9437121	9437125	9437170	9437672
Customer Sample Ref.	TP 6092	TP 6093	TP 6093	TP 6093	TP 6093	TP 6094	TP 6094	TP 6094	TP 6094	TP 6094
AGS Ref.										
Depth	3.50	0.30	1.20	2.50	3.50	1.00	2.00	3.00	4.00	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		25-Jun-2014				25-Jun-2014				25-Jun-2014
EPH CWG (Aliphatic) GC (S)	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	22-Jun-2014	24-Jun-2014	22-Jun-2014	22-Jun-2014
Metals in solid samples by OES	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014
PAH by GCMS	23-Jun-2014	23-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	23-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014
pH	20-Jun-2014	23-Jun-2014	19-Jun-2014	20-Jun-2014	20-Jun-2014	23-Jun-2014	20-Jun-2014	20-Jun-2014	20-Jun-2014	23-Jun-2014
Sample description	18-Jun-2014	18-Jun-2014	18-Jun-2014	18-Jun-2014	18-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014
TPH CWG GC (S)	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014

Lab Sample No(s)	9437130	9437134	9437139	9437143	9437147	9437152	9437156	9437165	9437313	9437319
Customer Sample Ref.	TP 6095	TP 6095	TP 6095	TP 6095	TP 6095	TP 6096	TP 6096	TP 6096	TP 6100	TP 6100
AGS Ref.										
Depth	0.30	1.30	2.30	3.30	4.30	0.20	1.20	2.20	0.20	0.90
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Jun-2014					25-Jun-2014			25-Jun-2014	25-Jun-2014
EPH CWG (Aliphatic) GC (S)	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	22-Jun-2014	22-Jun-2014	25-Jun-2014	24-Jun-2014	22-Jun-2014	22-Jun-2014	22-Jun-2014	25-Jun-2014	23-Jun-2014	23-Jun-2014
Metals in solid samples by OES	23-Jun-2014	23-Jun-2014	24-Jun-2014	23-Jun-2014	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	23-Jun-2014
PAH by GCMS	23-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	24-Jun-2014	24-Jun-2014	23-Jun-2014	24-Jun-2014
pH	25-Jun-2014	20-Jun-2014	19-Jun-2014	20-Jun-2014	20-Jun-2014	23-Jun-2014	20-Jun-2014	20-Jun-2014	23-Jun-2014	23-Jun-2014
Sample description	18-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	17-Jun-2014	17-Jun-2014	18-Jun-2014	18-Jun-2014
Total Organic Carbon							23-Jun-2014			
TPH CWG GC (S)	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	24-Jun-2014	25-Jun-2014	24-Jun-2014	24-Jun-2014

Lab Sample No(s)	9437323	9437327
Customer Sample Ref.	TP 6100	TP 6100
AGS Ref.		
Depth	2.00	3.40
Type	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	25-Jun-2014	24-Jun-2014
EPH CWG (Aromatic) GC (S)	25-Jun-2014	24-Jun-2014
GRO by GC-FID (S)	23-Jun-2014	23-Jun-2014
Metals in solid samples by OES	23-Jun-2014	23-Jun-2014
PAH by GCMS	23-Jun-2014	23-Jun-2014
pH	19-Jun-2014	19-Jun-2014
Sample description	17-Jun-2014	17-Jun-2014
TPH CWG GC (S)	25-Jun-2014	24-Jun-2014

SDG:	140613-104	**Location:**	Coed Darcy	**Order Number:**	CD0706
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	274811
Client Reference:	Site Wide Trial Pitting	**Attention:**	Fiona McMillan	**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

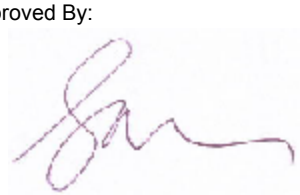
Date:	08 September 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140821-95
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	283226

We received 90 samples on Thursday August 21, 2014 and 90 of these samples were scheduled for analysis which was completed on Monday September 08, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9851153	IP 029		0.50	18/08/2014
9851160	IP 029		1.50	18/08/2014
9851164	IP 029		2.50	18/08/2014
9851191	IP 036		0.50	18/08/2014
9851195	IP 036		1.50	18/08/2014
9851201	IP 036		2.50	18/08/2014
9851208	IP 073		0.50	18/08/2014
9851215	IP 073		1.50	18/08/2014
9851220	IP 073		2.50	18/08/2014
9851176	IP 074		0.50	18/08/2014
9851180	IP 074		1.50	18/08/2014
9851168	IP 137		0.50	18/08/2014
9851172	IP 137		1.50	18/08/2014
9851126	IP 158		0.50	18/08/2014
9851137	IP 158		1.50	18/08/2014
9851142	IP 158		2.50	18/08/2014
9851147	IP 158		3.50	18/08/2014
9851272	IP 417		0.50	18/08/2014
9851278	IP 417		1.50	18/08/2014
9851282	IP 432		0.50	18/08/2014
9851132	IP 541		0.50	18/08/2014
9851185	IP 541		1.50	18/08/2014
9851026	IP 543		0.50	18/08/2014
9851076	IP 543		1.50	18/08/2014
9851244	IP 546		0.50	18/08/2014
9851296	IP 546		1.50	18/08/2014
9850881	IP 546		2.40	18/08/2014
9850971	IP 547		0.50	18/08/2014
9850925	IP 570		0.50	18/08/2014
9850876	IP 613		0.50	18/08/2014
9850916	IP 630		0.50	18/08/2014
9850902	IP 631		0.50	18/08/2014
9850908	IP 631		1.50	18/08/2014
9850912	IP 632		0.50	18/08/2014
9850921	IP 661		0.50	18/08/2014
9850889	IP 663		0.50	18/08/2014
9850893	IP 663		2.50	18/08/2014
9850897	IP 663		3.50	18/08/2014
9850885	IP 664		0.50	18/08/2014
9850930	IP 747		0.50	18/08/2014
9851253	IP 770		0.50	18/08/2014
9851257	IP 770		1.50	18/08/2014
9851261	IP 770		2.50	18/08/2014
9851267	IP 770		3.50	18/08/2014
9851240	IP 857		0.50	18/08/2014
9851248	IP 857		1.50	18/08/2014
9851233	IP 1065		0.50	18/08/2014
9851287	IP 1151		0.50	18/08/2014
9851292	IP 1151		1.50	18/08/2014
9851300	IP 1152		1.50	18/08/2014
9851224	IP 1235		0.50	18/08/2014
9851228	IP 1236		0.50	18/08/2014
9850996	IP 3664		0.30	18/08/2014
9850986	IP 3664		0.50	18/08/2014
9850990	IP 3664		1.50	18/08/2014
9850976	IP 3665		0.50	18/08/2014

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

9850981	IP 3665	1.50	18/08/2014
9851039	IP 3674	0.50	18/08/2014
9851044	IP 3674	1.50	18/08/2014
9851048	IP 3675	0.50	18/08/2014
9851052	IP 3675	1.50	18/08/2014
9851062	IP 3677	0.20	18/08/2014
9851067	IP 3678	0.10	18/08/2014
9851058	IP 3681	0.20	18/08/2014
9851030	IP 3682	0.50	18/08/2014
9851035	IP 3682	1.00	18/08/2014
9850962	IP 3692	0.50	18/08/2014
9851098	IP 3694	0.50	18/08/2014
9851103	IP 3694	1.50	18/08/2014
9851108	IP 3694	2.50	18/08/2014
9851009	IP 3695	0.50	18/08/2014
9851014	IP 3695	1.20	18/08/2014
9851021	IP 3695	2.20	18/08/2014
9851005	IP 3696	0.20	18/08/2014
9851000	IP 3697	0.10	18/08/2014
9851072	IP 3698	0.10	18/08/2014
9851081	IP 3700	0.20	18/08/2014
9851086	IP 3701	0.20	18/08/2014
9851091	IP 3701	0.50	18/08/2014
9850942	IP 3704	0.50	18/08/2014
9850946	IP 3704	1.00	18/08/2014
9850950	IP 3704	1.50	18/08/2014
9850938	IP 3708	1.00	18/08/2014
9850954	IP 3709	0.50	18/08/2014
9850958	IP 3709	1.50	18/08/2014
9851118	IP 3715	0.20	18/08/2014
9851122	IP 3715	0.50	18/08/2014
9851113	IP 3716	0.20	18/08/2014
9850934	IP 3750	0.50	18/08/2014
9850967	IP 3761	0.50	18/08/2014

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

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9851153			9851160			9851164			9851191			9851195			9851201			9851208			9851215			9851220			9851176			9851180			9851168			9851172			9851126
Customer Sample Reference			IP 029			IP 029			IP 029			IP 036			IP 036			IP 036			IP 073			IP 073			IP 073			IP 074			IP 074			IP 137			IP 137			IP 158
AGS Reference																																										
Depth (m)			0.50			1.50			2.50			0.50			1.50			2.50			0.50			1.50			2.50			0.50			1.50			0.50			1.50			0.50
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 54		X									X									X									X						X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 11																																		X						
TPH CWG GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)
9851126	IP 158		0.50
9851137	IP 158		1.50
9851142	IP 158		2.50
9851147	IP 158		3.50
9851272	IP 417		0.50
9851278	IP 417		1.50
9851282	IP 432		0.50
9851132	IP 541		0.50
9851185	IP 541		1.50
9851026	IP 543		0.50
9851076	IP 543		1.50
9851244	IP 546		0.50
9851296	IP 546		1.50
9850881	IP 546		2.40

Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 54	X												X						X			X						X						X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 11																		X																						
TPH CWG GC (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
9850881	IP 546		2.40	60g VOC (ALE215)
9850971	IP 547		0.50	250g Amber Jar (AL
9850925	IP 570		0.50	400g Tub (ALE214)
9850876	IP 613		0.50	60g VOC (ALE215)
9850916	IP 630		0.50	250g Amber Jar (AL
9850902	IP 631		0.50	400g Tub (ALE214)
9850908	IP 631		1.50	60g VOC (ALE215)
9850912	IP 632		0.50	250g Amber Jar (AL
9850921	IP 661		0.50	400g Tub (ALE214)
9850889	IP 663		0.50	60g VOC (ALE215)
9850893	IP 663		2.50	250g Amber Jar (AL
9850897	IP 663		3.50	400g Tub (ALE214)
9850885	IP 664		0.50	60g VOC (ALE215)
9850930	IP 747		0.50	250g Amber Jar (AL
				400g Tub (ALE214)
				60g VOC (ALE215)

Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 54	X X X X X X X X X X X X X X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 90	X X X X X X X X X X X X X X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 90	X X X X X X X X X X X X X X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 90	X X X X X X X X X X X X X X
Metals in solid samples by OES	All	NDPs: 0 Tests: 90	X X X X X X X X X X X X X X
PAH by GCMS	All	NDPs: 0 Tests: 90	X X X X X X X X X X X X X X
pH	All	NDPs: 0 Tests: 90	X X X X X X X X X X X X X X
Sample description	All	NDPs: 0 Tests: 90	X X X X X X X X X X X X X X
Total Organic Carbon	All	NDPs: 0 Tests: 11	X X X
TPH CWG GC (S)	All	NDPs: 0 Tests: 90	X X X X X X X X X X X X X X

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

	Lab Sample No(s)		9851253			9851257			9851261			9851267			9851240			9851248			9851233			9851287			9851292			9851300		9851224			9851228			9850996			9850986	
	Customer Sample Reference		IP 770			IP 770			IP 770			IP 770			IP 857			IP 857			IP 1065			IP 1151			IP 1151			IP 1152		IP 1235			IP 1236			IP 3664			IP 3664	
	AGS Reference																																										
	Depth (m)		0.50			1.50			2.50			3.50			0.50			1.50			0.50			0.50			1.50			1.50		0.50			0.50			0.30			0.50	
	Container		250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 54		X												X						X											X			X			X			X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X		X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X		X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X		X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X		X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X		X			X			X			X	
pH	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X		X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X		X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 11																														X									X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X		X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG: 140821-95
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0793
Report Number: 283226
Superseded Report:

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9850986			9850990			9850976			9850981			9851039			9851044			9851048			9851052			9851062			9851067			9851058			9851030			9851035			9850962
Customer Sample Reference			IP 3664			IP 3664			IP 3665			IP 3665			IP 3674			IP 3674			IP 3675			IP 3675			IP 3677			IP 3678			IP 3681			IP 3682			IP 3682			IP 3692
AGS Reference																																										
Depth (m)			0.50			1.50			0.50			1.50			0.50			1.50			0.50			1.50			0.20			0.10			0.20			0.50			1.00			0.50
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 54						X						X						X						X			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 11																							X													X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG: 140821-95
Job: H_ATKINS_LDC-224
Client Reference: Site Wide Trial Pitting

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

Order Number: CD0793
Report Number: 283226
Superseded Report:

SOLID

Results Legend

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

Lab Sample No(s)			9851098			9851103			9851108			9851009			9851014			9851021			9851005			9851000			9851072			9851081			9851086			9851091			9850942			9850946
Customer Sample Reference			IP 3694			IP 3694			IP 3694			IP 3695			IP 3695			IP 3695			IP 3696			IP 3697			IP 3698			IP 3700			IP 3701			IP 3701			IP 3704			IP 3704
AGS Reference																																											
Depth (m)			0.50			1.50			2.50			0.50			1.20			2.20			0.20			0.10			0.10			0.20			0.20			0.50			0.50			1.00
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 54		X									X									X			X			X			X			X			X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 11							X																																		
TPH CWG GC (S)	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X			X			X			X			X

16:42:33 08/09/2014

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			9850946		9850950			9850938			9850954			9850958			9851118			9851122			9851113			9850934			9850967		
Customer Sample Reference			IP 3704		IP 3704			IP 3708			IP 3709			IP 3709			IP 3715			IP 3715			IP 3716			IP 3750			IP 3761		
AGS Reference																															
Depth (m)			1.00		1.50			1.00			0.50			1.50			0.20			0.50			0.20			0.50			0.50		
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 54	X						X			X						X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 90		X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 90	X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 11						X																							
TPH CWG GC (S)	All	NDPs: 0 Tests: 90			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Sample Descriptions

Grain Sizes

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

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
9851153	IP 029	0.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	None
9851160	IP 029	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9851164	IP 029	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9851191	IP 036	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9851195	IP 036	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9851201	IP 036	2.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9851208	IP 073	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9851215	IP 073	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9851220	IP 073	2.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9851176	IP 074	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9851180	IP 074	1.50	Dark Brown	Sand	0.1 - 2 mm	None	None
9851168	IP 137	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9851172	IP 137	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9851126	IP 158	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9851137	IP 158	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9851142	IP 158	2.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	None	None
9851147	IP 158	3.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9851272	IP 417	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9851278	IP 417	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	None
9851282	IP 432	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9851132	IP 541	0.50	Dark Brown	Clay	<0.063 mm	Fibres	None
9851185	IP 541	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9851026	IP 543	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9851076	IP 543	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9850881	IP 546	2.40	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9851244	IP 546	0.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Vegetation	Stones
9851296	IP 546	1.50	Dark Brown	Silty Clay	<0.063 mm	Vegetation	Stones
9850971	IP 547	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation	None
9850925	IP 570	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Fibres
9850876	IP 613	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Concrete/Aggregate
9850916	IP 630	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9850902	IP 631	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9850908	IP 631	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9850912	IP 632	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9850921	IP 661	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9850889	IP 663	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation	Stones
9850893	IP 663	2.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9850897	IP 663	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
9850885	IP 664	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9850930	IP 747	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9851253	IP 770	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Tile	Vegetation
9851257	IP 770	1.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	None
9851261	IP 770	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9851267	IP 770	3.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9851240	IP 857	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9851248	IP 857	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9851233	IP 1065	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9851287	IP 1151	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9851292	IP 1151	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	None	None
9851300	IP 1152	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Vegetation	Stones
9851224	IP 1235	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9851228	IP 1236	0.50	Black	Sand	0.1 - 2 mm	N/A	Stones
9850986	IP 3664	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9850990	IP 3664	1.50	Dark Brown	Sand	0.1 - 2 mm	Vegetation	None
9850996	IP 3664	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9850976	IP 3665	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9850981	IP 3665	1.50	Dark Brown	Sand	0.1 - 2 mm	Vegetation	None
9851039	IP 3674	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9851044	IP 3674	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9851048	IP 3675	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9851052	IP 3675	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851062	IP 3677	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851067	IP 3678	0.10	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851058	IP 3681	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851030	IP 3682	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Concrete/Aggregate	Vegetation
9851035	IP 3682	1.00	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9850962	IP 3692	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9851098	IP 3694	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851103	IP 3694	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9851108	IP 3694	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9851009	IP 3695	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9851014	IP 3695	1.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9851021	IP 3695	2.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9851005	IP 3696	0.20	Dark Brown	Stone/Soil	0.063 - 0.1 mm	Stones	Vegetation
9851000	IP 3697	0.10	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9851072	IP 3698	0.10	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851081	IP 3700	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851086	IP 3701	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851091	IP 3701	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
9850942	IP 3704	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9850946	IP 3704	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9850950	IP 3704	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9850938	IP 3708	1.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
9850954	IP 3709	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9850958	IP 3709	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9851118	IP 3715	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9851122	IP 3715	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9851113	IP 3716	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9850934	IP 3750	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9850967	IP 3761	0.50	Beige	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 029	IP 029	IP 029	IP 036	IP 036	IP 036
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851153	9851160	9851164	9851191	9851195	9851201
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	14	9.8	14	8.3	9.8
pH	1 pH Units	TM133		7.13 M	6.21 M	6.41 M	5.83 M	6.28 M	6.76 #
Arsenic	<0.6 mg/kg	TM181		52.6 M	13.9 M	14.1 M	32.6 M	4.85 M	13.5 #
Cadmium	<0.02 mg/kg	TM181		1.13 M	1.14 M	0.202 M	0.907 M	0.275 M	0.19 #
Chromium	<0.9 mg/kg	TM181		16.2 M	16.1 M	14.5 M	15.5 M	19.1 M	17.1 #
Copper	<1.4 mg/kg	TM181		122 M	32 M	17.9 M	62.8 M	36.2 M	34.8 #
Lead	<0.7 mg/kg	TM181		90.2 M	22.1 M	17.2 M	41.7 M	22.8 M	21.8 #
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		19.4 M	21.1 M	24.1 M	25.7 M	51.2 M	49.9 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.3 #	21.1 #	17.7 #	20.7 #	20.6 #	20.4 #
Zinc	<1.9 mg/kg	TM181		158 M	151 M	82.9 M	120 M	113 M	116 #

CERTIFICATE OF ANALYSIS

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Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 073	IP 073	IP 073	IP 074	IP 074	IP 137
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851208	9851215	9851220	9851176	9851180	9851168
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		15	9.7	13	7.9	17	14
Soil Organic Matter (SOM)	<0.35 %	TM132							2.91 #
pH	1 pH Units	TM133		5.18 M	5.55 M	5.86 #	5.37 M	5.77 M	6.15 M
Arsenic	<0.6 mg/kg	TM181		27.1 M	9.04 M	5.49 #	8.27 M	4.04 M	19.8 M
Cadmium	<0.02 mg/kg	TM181		0.495 M	0.331 M	0.57 #	0.527 M	1.13 M	0.935 M
Chromium	<0.9 mg/kg	TM181		14.2 M	12.1 M	12.5 #	10 M	10.9 M	15.7 M
Copper	<1.4 mg/kg	TM181		43.1 M	19.5 M	21.1 #	13.9 M	12.7 M	36.3 M
Lead	<0.7 mg/kg	TM181		31.3 M	14.4 M	14.3 #	13.5 M	11.8 M	40.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 #	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		21.5 M	29.1 M	37.4 #	21.6 M	34.9 M	25.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.4 #	14.2 #	13.9 #	11.9 #	10 #	19.9 #
Zinc	<1.9 mg/kg	TM181		90.3 M	74 M	84.1 #	67.1 M	73.3 M	119 M

CERTIFICATE OF ANALYSIS

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Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R	IP 137	IP 158	IP 158	IP 158	IP 158	IP 417
			Depth (m)	1.50	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851172	9851126	9851137	9851142	9851147	9851272
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	9.2	16	39	28	12
pH	1 pH Units	TM133		6.83 M	8.27 M	7.78 M	4.87 M	5.32 M	7.27 M
Arsenic	<0.6 mg/kg	TM181		10.2 M	22.5 M	29.3 M	262 M	208 M	14.6 M
Cadmium	<0.02 mg/kg	TM181		0.52 M	0.979 M	1.22 M	0.688 M	0.494 M	0.544 M
Chromium	<0.9 mg/kg	TM181		13 M	21.1 M	18.7 M	10.4 M	12.1 M	10.8 M
Copper	<1.4 mg/kg	TM181		25.7 M	56.2 M	64.4 M	490 M	246 M	31.9 M
Lead	<0.7 mg/kg	TM181		87.9 M	86.5 M	121 M	338 M	193 M	36.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	0.389 M	<0.14 M	0.423 M
Nickel	<0.2 mg/kg	TM181		27.9 M	44.8 M	38 M	21 M	16.1 M	22.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.3 #	23.1 #	26.1 #	15.6 #	21.4 #	11.6 #
Zinc	<1.9 mg/kg	TM181		141 M	174 M	176 M	84 M	59.2 M	96 M

CERTIFICATE OF ANALYSIS

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Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 417	IP 432	IP 541	IP 541	IP 543	IP 543
			Depth (m)	1.50	0.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851278	9851282	9851132	9851185	9851026	9851076
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		76	9.1	10	12	18	13
Soil Organic Matter (SOM)	<0.35 %	TM132			2.9 #				
pH	1 pH Units	TM133		6.2 M	8.32 M	5.79 M	5.29 M	5.43 M	5.13 M
Arsenic	<0.6 mg/kg	TM181		3.8 M	9.87 M	5.96 M	9.23 M	31.3 M	9.49 M
Cadmium	<0.02 mg/kg	TM181		0.29 M	0.508 M	0.263 M	0.492 M	0.633 M	0.411 M
Chromium	<0.9 mg/kg	TM181		6.39 M	13.8 M	11.8 M	11.1 M	12.8 M	17.4 M
Copper	<1.4 mg/kg	TM181		11.4 M	25.9 M	9.71 M	10.8 M	51.8 M	16.1 M
Lead	<0.7 mg/kg	TM181		12.1 M	30.3 M	11.7 M	12.5 M	43.8 M	13.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.631 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		12.2 M	50.8 M	16.9 M	23.1 M	19.3 M	29.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		10.3 #	17.2 #	13.2 #	13.2 #	16.1 #	16.2 #
Zinc	<1.9 mg/kg	TM181		7.64 M	90.3 M	45.2 M	63.2 M	72.8 M	78.1 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R	IP 546	IP 546	IP 546	IP 547	IP 570	IP 613
			Depth (m)	0.50	1.50	2.40	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851244	9851296	9850881	9850971	9850925	9850876
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		26	22	11	18	9.9	9.1
Soil Organic Matter (SOM)	<0.35 %	TM132					0.974 #		0.895 #
pH	1 pH Units	TM133		7 M	5.83 M	5.54 M	7.1 M	5.55 M	7.86 M
Arsenic	<0.6 mg/kg	TM181		34.2 M	10.8 M	8.4 M	12.9 M	47.7 M	18.2 M
Cadmium	<0.02 mg/kg	TM181		1.04 M	0.453 M	0.686 M	0.587 M	0.861 M	0.627 M
Chromium	<0.9 mg/kg	TM181		20.3 M	18.2 M	9.86 M	16.3 M	14.4 M	19.6 M
Copper	<1.4 mg/kg	TM181		50.9 M	13 M	15.9 M	11 M	70.1 M	45.9 M
Lead	<0.7 mg/kg	TM181		212 M	15.1 M	12.8 M	18.1 M	23.4 M	86.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		21.9 M	14.5 M	22.7 M	11 M	10.8 M	29 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		24.2 #	23.1 #	11 #	28.1 #	22.5 #	14.8 #
Zinc	<1.9 mg/kg	TM181		149 M	55.3 M	54.1 M	68.1 M	89.4 M	186 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 630	IP 631	IP 631	IP 632	IP 661	IP 663
			Depth (m)	0.50	0.50	1.50	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850916	9850902	9850908	9850912	9850921	9850889
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		59	18	16	22	14	9.4
Soil Organic Matter (SOM)	<0.35 %	TM132							4.15 #
pH	1 pH Units	TM133		5.7 M	5.33 M	5.68 M	5.2 M	5.93 M	6.05 M
Arsenic	<0.6 mg/kg	TM181		64.2 M	29.2 M	14.9 M	25.6 M	16.6 M	10.1 M
Cadmium	<0.02 mg/kg	TM181		2.64 M	1.19 M	0.665 M	1.01 M	0.354 M	0.492 M
Chromium	<0.9 mg/kg	TM181		16 M	29.7 M	15.8 M	34.3 M	14.8 M	10.4 M
Copper	<1.4 mg/kg	TM181		22 M	42.1 M	21.2 M	42.9 M	16.3 M	18.7 M
Lead	<0.7 mg/kg	TM181		207 M	220 M	17.6 M	356 M	34.1 M	19.9 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		24.2 M	27.2 M	20.3 M	17.2 M	31.1 M	21.1 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.9 #	21.5 #	22.7 #	20.8 #	16.6 #	12.4 #
Zinc	<1.9 mg/kg	TM181		282 M	173 M	67.1 M	133 M	92.2 M	67.9 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 663	IP 663	IP 664	IP 747	IP 770	IP 770
			Depth (m)	2.50	3.50	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850893	9850897	9850885	9850930	9851253	9851257
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	11	23	13	7.3	71
pH	1 pH Units	TM133		6.14 M	6.01 M	6.84 M	8.06 M	8.07 M	5.71 M
Arsenic	<0.6 mg/kg	TM181		9.39 M	8.28 M	76.7 M	50.4 M	97.9 M	3.31 M
Cadmium	<0.02 mg/kg	TM181		0.354 M	0.328 M	1.92 M	2.13 M	2.21 M	0.527 M
Chromium	<0.9 mg/kg	TM181		9.87 M	9.43 M	12.8 M	40.8 M	34.2 M	10.2 M
Copper	<1.4 mg/kg	TM181		13.7 M	12.6 M	101 M	77.4 M	2830 M	12 M
Lead	<0.7 mg/kg	TM181		12.6 M	11.5 M	147 M	796 M	135 M	11.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		18.3 M	27.3 M	26.6 M	59.8 M	157 M	8.93 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<10 #	<10 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11.2 #	10.2 #	16.7 #	26.5 #	46.7 #	15.6 #
Zinc	<1.9 mg/kg	TM181		49.2 M	64.1 M	132 M	245 M	3360 M	9.94 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 770	IP 770	IP 857	IP 857	IP 1065	IP 1151
			Depth (m)	2.50	3.50	0.50	1.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851261	9851267	9851240	9851248	9851233	9851287
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	16	17	15	17	12
pH	1 pH Units	TM133		4.6 M	6.38 M	6.66 M	7.21 M	5.7 M	7.69 M
Arsenic	<0.6 mg/kg	TM181		1.88 M	4.07 M	11.1 M	11.2 M	29.4 M	10.2 M
Cadmium	<0.02 mg/kg	TM181		0.314 M	0.227 M	0.767 M	0.554 M	1.53 M	0.599 M
Chromium	<0.9 mg/kg	TM181		13.7 M	8.66 M	12.3 M	10.8 M	16.5 M	15.3 M
Copper	<1.4 mg/kg	TM181		15.8 M	10.8 M	18.9 M	17.7 M	58.8 M	16.7 M
Lead	<0.7 mg/kg	TM181		14.9 M	9.7 M	147 M	35.2 M	99.6 M	22.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		17 M	19.3 M	28.2 M	23.9 M	18.8 M	34.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.9 #	9.97 #	13.6 #	11.2 #	26.8 #	16.4 #
Zinc	<1.9 mg/kg	TM181		57.3 M	47.7 M	111 M	80.7 M	144 M	90.3 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 1151	IP 1152	IP 1235	IP 1236	IP 3664	IP 3664
			Depth (m)	1.50	1.50	0.50	0.50	0.30	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851292	9851300	9851224	9851228	9850996	9850986
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		14	12	11	22	13	12
Soil Organic Matter (SOM)	<0.35 %	TM132				5.26 #			2.1 #
pH	1 pH Units	TM133		5.78 M	6.12 M	6.68 M	7.3 M	7.69 M	6.51 M
Arsenic	<0.6 mg/kg	TM181		10.8 M	8.68 M	29.5 M	11.9 M	22.4 M	25.7 M
Cadmium	<0.02 mg/kg	TM181		0.229 M	0.388 M	0.934 M	0.298 M	1.2 M	1.36 M
Chromium	<0.9 mg/kg	TM181		11 M	15.5 M	13.4 M	7.62 M	19 M	18.1 M
Copper	<1.4 mg/kg	TM181		16.4 M	19.8 M	50.9 M	28.7 M	53.5 M	59.1 M
Lead	<0.7 mg/kg	TM181		12.6 M	19.5 M	38.6 M	20.9 M	42.8 M	146 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		21.4 M	28.3 M	19.1 M	30.8 M	30.7 M	21.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	1.83 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13 #	19.1 #	20.2 #	20.4 #	18.1 #	18.6 #
Zinc	<1.9 mg/kg	TM181		71.5 M	78.3 M	86.7 M	58.1 M	159 M	308 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 3664	IP 3665	IP 3665	IP 3674	IP 3674	IP 3675
			Depth (m)	1.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850990	9850976	9850981	9851039	9851044	9851048
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		6.6	6.7	11	7.1	10	12
pH	1 pH Units	TM133		6.62 M	6.46 M	6.16 M	6.12 M	5.91 M	6.55 M
Arsenic	<0.6 mg/kg	TM181		7.92 M	14.6 M	6.43 M	13.1 M	7.74 M	14.8 M
Cadmium	<0.02 mg/kg	TM181		0.286 M	0.772 M	0.534 M	0.414 M	0.329 M	0.613 M
Chromium	<0.9 mg/kg	TM181		11.7 M	13 M	9.06 M	11.9 M	10.8 M	13.8 M
Copper	<1.4 mg/kg	TM181		13.8 M	33 M	11.1 M	24.5 M	12.8 M	21.1 M
Lead	<0.7 mg/kg	TM181		15.8 M	21.9 M	9.94 M	19.8 M	9.64 M	15.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.474 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23 M	26.3 M	19.1 M	20.2 M	22.4 M	19.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.3 #	14.3 #	9.42 #	13.3 #	10.4 #	18.2 #
Zinc	<1.9 mg/kg	TM181		83.9 M	104 M	79 M	75.3 M	70.9 M	107 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 3675	IP 3677	IP 3678	IP 3681	IP 3682	IP 3682
			Depth (m)	1.50	0.20	0.10	0.20	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851052	9851062	9851067	9851058	9851030	9851035
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.9	5.9	5.2	7.2	7.6	9.6
Soil Organic Matter (SOM)	<0.35 %	TM132			1.65 #				1.76 #
pH	1 pH Units	TM133		6.66 M	7.22 M	8.59 M	6.88 M	7.5 M	5.4 M
Arsenic	<0.6 mg/kg	TM181		16.3 M	29.8 M	14.8 M	20 M	24.8 M	15 M
Cadmium	<0.02 mg/kg	TM181		1.14 M	0.705 M	0.575 M	0.845 M	0.655 M	0.731 M
Chromium	<0.9 mg/kg	TM181		11.4 M	13.9 M	13.7 M	12.4 M	15.1 M	15.3 M
Copper	<1.4 mg/kg	TM181		19 M	255 M	61.6 M	50.6 M	62.3 M	27.8 M
Lead	<0.7 mg/kg	TM181		21 M	69.8 M	83.1 M	46.3 M	60.9 M	25.9 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		28 M	32.4 M	25.1 M	26.1 M	32.7 M	41.4 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15 #	16.1 #	13.7 #	13.8 #	14.9 #	14.6 #
Zinc	<1.9 mg/kg	TM181		99.8 M	227 M	202 M	104 M	128 M	142 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R	IP 3692	IP 3694	IP 3694	IP 3694	IP 3695	IP 3695
			Depth (m)	0.50	0.50	1.50	2.50	0.50	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850962	9851098	9851103	9851108	9851009	9851014
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	8.8	13	9.6	5.7	15
Soil Organic Matter (SOM)	<0.35 %	TM132					1.22 #		
pH	1 pH Units	TM133		6.49 M	6.68 M	5.73 M	4.69 M	6.77 M	6.1 M
Arsenic	<0.6 mg/kg	TM181		54.7 M	25.3 M	20.9 M	13.4 M	15.2 M	14 M
Cadmium	<0.02 mg/kg	TM181		0.826 M	0.935 M	0.501 M	0.33 M	0.587 M	2.32 M
Chromium	<0.9 mg/kg	TM181		11.2 M	28.8 M	13 M	16.2 M	13.4 M	11.7 M
Copper	<1.4 mg/kg	TM181		107 M	104 M	36.4 M	60.1 M	34.4 M	26.6 M
Lead	<0.7 mg/kg	TM181		61.4 M	192 M	31.8 M	14.5 M	29.5 M	19.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		14.2 M	39.9 M	22.2 M	28.9 M	35.3 M	17 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.9 #	22.2 #	15.8 #	17.4 #	14 #	16.3 #
Zinc	<1.9 mg/kg	TM181		103 M	223 M	83.6 M	76.1 M	114 M	147 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R	IP 3695	IP 3696	IP 3697	IP 3698	IP 3700	IP 3701
			Depth (m)	2.20	0.20	0.10	0.10	0.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851021	9851005	9851000	9851072	9851081	9851086
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	3.2	4.8	4.3	7	8.1
pH	1 pH Units	TM133		6.71 M	6.38 #	6.56 M	7.52 M	7.22 M	6.98 M
Arsenic	<0.6 mg/kg	TM181		9.93 M	4.41 #	20.8 M	42.4 M	118 M	11.1 M
Cadmium	<0.02 mg/kg	TM181		0.186 M	0.5 #	0.456 M	1.67 M	0.96 M	0.733 M
Chromium	<0.9 mg/kg	TM181		10 M	8.37 #	18.9 M	134 M	46.3 M	9.73 M
Copper	<1.4 mg/kg	TM181		8.84 M	6.76 #	162 M	1010 M	765 M	19 M
Lead	<0.7 mg/kg	TM181		10.2 M	12.3 #	62.2 M	995 M	253 M	19.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 #	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.5 M	25 #	35.8 M	146 M	74.5 M	25.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<10 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		10.9 #	7.09 #	18.2 #	64 #	43.5 #	11.5 #
Zinc	<1.9 mg/kg	TM181		64.6 M	78.8 #	442 M	2590 M	188 M	97.6 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R	IP 3701	IP 3704	IP 3704	IP 3704	IP 3708	IP 3709
			Depth (m)	0.50	0.50	1.00	1.50	1.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851091	9850942	9850946	9850950	9850938	9850954
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	10	18	11	7.1	6.5
Soil Organic Matter (SOM)	<0.35 %	TM132						1.88 #	
pH	1 pH Units	TM133		6 M	5.94 M	6.48 M	6.3 M	6.1 M	6.36 M
Arsenic	<0.6 mg/kg	TM181		81.2 M	18.4 M	23.7 M	10.8 M	20.4 M	7.73 M
Cadmium	<0.02 mg/kg	TM181		1.31 M	0.798 M	0.896 M	0.367 M	0.716 M	0.412 M
Chromium	<0.9 mg/kg	TM181		12.4 M	13.5 M	15.8 M	17.3 M	12.6 M	12.1 M
Copper	<1.4 mg/kg	TM181		152 M	37.8 M	53 M	23.5 M	46.8 M	12.3 M
Lead	<0.7 mg/kg	TM181		102 M	54.4 M	114 M	24.7 M	65.3 M	12.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.8 M	21.5 M	22.8 M	29.6 M	24.6 M	24.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.8 #	14.9 #	17.4 #	12.4 #	15.6 #	12 #
Zinc	<1.9 mg/kg	TM181		127 M	126 M	269 M	99.9 M	114 M	72 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R	IP 3709	IP 3715	IP 3715	IP 3716	IP 3750	IP 3761
			Depth (m)	1.50	0.20	0.50	0.20	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850958	9851118	9851122	9851113	9850934	9850967
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		17	8.9	8.3	7.5	8.9	9.8
pH	1 pH Units	TM133		5.38 M	6.7 M	6.54 M	6.73 M	7.52 M	6.53 M
Arsenic	<0.6 mg/kg	TM181		21.2 M	26 M	27.7 M	15.8 M	34.8 M	21.6 M
Cadmium	<0.02 mg/kg	TM181		0.779 M	0.563 M	0.406 M	0.724 M	1.37 M	0.815 M
Chromium	<0.9 mg/kg	TM181		13.5 M	27.8 M	45.4 M	30.1 M	13.7 M	18.9 M
Copper	<1.4 mg/kg	TM181		43.5 M	84.1 M	88 M	70.4 M	66.2 M	48.5 M
Lead	<0.7 mg/kg	TM181		54.8 M	147 M	130 M	419 M	56.9 M	74 M
Mercury	<0.14 mg/kg	TM181		3.44 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.2 M	38.9 M	54.3 M	48 M	21.7 M	29.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<10 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.7 #	21.5 #	27.4 #	21.9 #	16.5 #	16.9 #
Zinc	<1.9 mg/kg	TM181		114 M	177 M	155 M	158 M	138 M	115 M

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 029	IP 029	IP 029	IP 036	IP 036	IP 036
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851153	9851160	9851164	9851191	9851195	9851201
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.1	95	94.8	89.8	94	99
Acenaphthene-d10 % recovery**	%	TM218		92.4	92.3	88.4	89.6	87.7	92.8
Phenanthrene-d10 % recovery**	%	TM218		89.3	90.7	84.2	87.2	83.9	88.6
Chrysene-d12 % recovery**	%	TM218		84.2	80.9	84.7	86.2	83.2	88
Perylene-d12 % recovery**	%	TM218		87.9	75.2	80.4	86.2	76.1	77.9
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	<9 @ M	16.7 @ M	14.8 @ M	26 @ #
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ #
Acenaphthene	<8 µg/kg	TM218		24.7 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ #
Fluorene	<10 µg/kg	TM218		18.6 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ #
Phenanthrene	<15 µg/kg	TM218		189 @ M	91.3 @ M	72.5 @ M	74.3 @ M	108 @ M	122 @ #
Anthracene	<16 µg/kg	TM218		31.6 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ #
Fluoranthene	<17 µg/kg	TM218		383 @ M	96.9 @ M	<17 @ M	85.5 @ M	<17 @ M	<17 @ #
Pyrene	<15 µg/kg	TM218		294 @ M	96.7 @ M	<15 @ M	66.5 @ M	<15 @ M	30.3 @ #
Benz(a)anthracene	<14 µg/kg	TM218		239 @ M	32.5 @ M	17.7 @ M	56.4 @ M	19.9 @ M	34.5 @ #
Chrysene	<10 µg/kg	TM218		308 @ M	106 @ M	24.5 @ M	71.7 @ M	51.6 @ M	109 @ #
Benzo(b)fluoranthene	<15 µg/kg	TM218		411 @ M	115 @ M	38 @ M	95.6 @ M	33.8 @ M	127 @ #
Benzo(k)fluoranthene	<14 µg/kg	TM218		149 @ M	41.5 @ M	<14 @ M	32.6 @ M	<14 @ M	29.2 @ #
Benzo(a)pyrene	<15 µg/kg	TM218		268 @ M	49 @ M	<15 @ M	43.3 @ M	<15 @ M	<15 @ #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		175 @ M	39.4 @ M	<18 @ M	34.7 @ M	<18 @ M	<18 @ #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		71.5 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		227 @ M	53 @ M	<24 @ M	45.6 @ M	<24 @ M	55.9 @ #
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2790	721	153	623	228	534

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 073	IP 073	IP 073	IP 074	IP 074	IP 137
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851208	9851215	9851220	9851176	9851180	9851168
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.5	95.3	95.7	83.1	87.6	88
Acenaphthene-d10 % recovery**	%	TM218		96	90.2	89.3	82.9	87.1	87.9
Phenanthrene-d10 % recovery**	%	TM218		94	86.7	86	81	83.1	85.9
Chrysene-d12 % recovery**	%	TM218		92.6	85.3	86	81.1	76.8	86
Perylene-d12 % recovery**	%	TM218		93.6	75.1	79.4	82.4	66	88.8
Naphthalene	<9 µg/kg	TM218		<9 @ M	33.2 @ M	14 @ #	<9 @ M	444 @ M	10.5 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ #	<8 @ M	<8 @ M	12.2 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ #	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		62.2 @ M	346 @ M	77.7 @ #	74.1 @ M	2200 @ M	108 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ #	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		27.6 @ M	28.9 @ M	<17 @ #	<17 @ M	146 @ M	156 @ M
Pyrene	<15 µg/kg	TM218		18.9 @ M	<15 @ M	<15 @ #	<15 @ M	49.7 @ M	127 @ M
Benz(a)anthracene	<14 µg/kg	TM218		36 @ M	24.4 @ M	18.6 @ #	17.5 @ M	473 @ M	108 @ M
Chrysene	<10 µg/kg	TM218		43.5 @ M	157 @ M	34 @ #	32.2 @ M	901 @ M	183 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		46.5 @ M	132 @ M	29 @ #	31.4 @ M	756 @ M	253 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	17 @ M	<14 @ #	<14 @ M	69.4 @ M	90.7 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ #	<15 @ M	<15 @ M	113 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ #	<18 @ M	33.7 @ M	84.8 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ #	<23 @ M	74.4 @ M	32.4 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ #	<24 @ M	34.3 @ M	114 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		235	739	173	155	5180	1390

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 137	IP 158	IP 158	IP 158	IP 158	IP 417
			Depth (m)	1.50	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851172	9851126	9851137	9851142	9851147	9851272
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.8	102	95	115	93.6	93.4
Acenaphthene-d10 % recovery**	%	TM218		92.1	99.2	89.8	108	92.5	94.2
Phenanthrene-d10 % recovery**	%	TM218		93.6	98.2	86.8	103	91.8	92.8
Chrysene-d12 % recovery**	%	TM218		88.2	111	89.5	102	83.5	93.9
Perylene-d12 % recovery**	%	TM218		87.8	107	84.4	101	84.3	96.6
Naphthalene	<9 µg/kg	TM218		25.9 @ M	252 @ M	42.1 @ M	147 @ M	13.5 @ M	149 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	98.4 @ M	16 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	437 @ M	28.9 @ M	51.2 @ M	<8 @ M	9.96 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	445 @ M	30.6 @ M	62.8 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		257 @ M	5050 @ M	371 @ M	663 @ M	77.8 @ M	74.4 @ M
Anthracene	<16 µg/kg	TM218		24.3 @ M	1280 @ M	78.4 @ M	93.2 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		238 @ M	12600 @ M	871 @ M	789 @ M	86.5 @ M	99.5 @ M
Pyrene	<15 µg/kg	TM218		235 @ M	8580 @ M	601 @ M	518 @ M	86.4 @ M	80.4 @ M
Benz(a)anthracene	<14 µg/kg	TM218		99 @ M	9000 @ M	580 @ M	374 @ M	29.3 @ M	81.9 @ M
Chrysene	<10 µg/kg	TM218		247 @ M	8480 @ M	762 @ M	502 @ M	51.6 @ M	99.7 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		361 @ M	12600 @ M	861 @ M	564 @ M	61.3 @ M	162 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		128 @ M	4600 @ M	438 @ M	190 @ M	25 @ M	58.7 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		238 @ M	8120 @ M	500 @ M	292 @ M	33.5 @ M	71.6 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		215 @ M	5250 @ M	399 @ M	212 @ M	27 @ M	64.9 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		65.9 @ M	2060 @ M	160 @ M	86.4 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		268 @ M	5610 @ M	488 @ M	235 @ M	35.9 @ M	82.8 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2400	84400	6230	4780	528	1030

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 417	IP 432	IP 541	IP 541	IP 543	IP 543
			Depth (m)	1.50	0.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851278	9851282	9851132	9851185	9851026	9851076
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		214	73.2	87.8	95.1	91.3	94
Acenaphthene-d10 % recovery**	%	TM218		213	73.9	87.4	92.7	91.7	93.8
Phenanthrene-d10 % recovery**	%	TM218		210	73	87.3	92.6	90.3	94.7
Chrysene-d12 % recovery**	%	TM218		214	76.3	91.3	83.9	89.8	87.5
Perylene-d12 % recovery**	%	TM218		218	78.3	97.2	79	90.9	82.1
Naphthalene	<9 µg/kg	TM218		<9 @ M	84.3 @ M	<9 @ M	10.6 @ M	<9 @ M	41.6 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	218 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	125 @ M	<8 @ M	<8 @ M	<8 @ M	21.2 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	151 @ M	<10 @ M	<10 @ M	<10 @ M	31.2 @ M
Phenanthrene	<15 µg/kg	TM218		<15 @ M	1900 @ M	<15 @ M	49 @ M	75.1 @ M	101 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	555 @ M	<16 @ M	<16 @ M	<16 @ M	25.3 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	5530 @ M	<17 @ M	<17 @ M	72.7 @ M	23.6 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	4180 @ M	<15 @ M	<15 @ M	53.8 @ M	21.8 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	4320 @ M	<14 @ M	<14 @ M	57.5 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		<10 @ M	4010 @ M	<10 @ M	<10 @ M	57.4 @ M	22.3 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	4650 @ M	<15 @ M	<15 @ M	72.2 @ M	<15 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	1930 @ M	31.2 @ M	<14 @ M	28 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	3720 @ M	<15 @ M	<15 @ M	37.5 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	2100 @ M	<18 @ M	<18 @ M	25.4 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	903 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	2260 @ M	<24 @ M	<24 @ M	35.3 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	36600	<118	<118	515	288

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 546	IP 546	IP 546	IP 547	IP 570	IP 613
			Depth (m)	0.50	1.50	2.40	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851244	9851296	9850881	9850971	9850925	9850876
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		89.6	95.4	93.5	89.3	88.7	86.8
Acenaphthene-d10 % recovery**	%	TM218		90.1	95.7	93.3	90.8	89.4	87.6
Phenanthrene-d10 % recovery**	%	TM218		86.6	94.9	92.7	88.4	90.3	87
Chrysene-d12 % recovery**	%	TM218		92.3	87.2	83.2	85.9	101	98.8
Perylene-d12 % recovery**	%	TM218		102	83.6	76.8	87.8	104	104
Naphthalene	<9 µg/kg	TM218		88.2 @ M	45.9 @ M	691 @ M	<9 @ M	10.3 @ M	66.4 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	19.8 @ M	<12 @ M	<12 @ M	30.8 @ M
Acenaphthene	<8 µg/kg	TM218		44.2 @ M	15 @ M	27.6 @ M	<8 @ M	<8 @ M	43.5 @ M
Fluorene	<10 µg/kg	TM218		58.5 @ M	<10 @ M	52.2 @ M	<10 @ M	<10 @ M	47.5 @ M
Phenanthrene	<15 µg/kg	TM218		515 @ M	22 @ M	115 @ M	<15 @ M	<15 @ M	611 @ M
Anthracene	<16 µg/kg	TM218		98.9 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	129 @ M
Fluoranthene	<17 µg/kg	TM218		1070 @ M	<17 @ M	20.7 @ M	<17 @ M	<17 @ M	1390 @ M
Pyrene	<15 µg/kg	TM218		753 @ M	<15 @ M	19.1 @ M	<15 @ M	<15 @ M	997 @ M
Benz(a)anthracene	<14 µg/kg	TM218		805 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	1130 @ M
Chrysene	<10 µg/kg	TM218		768 @ M	<10 @ M	68.2 @ M	<10 @ M	<10 @ M	1070 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1300 @ M	<15 @ M	50.3 @ M	<15 @ M	<15 @ M	2230 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		477 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	688 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		788 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	1230 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		497 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	872 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		197 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	358 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		565 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	982 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		8030	<118	1060	<118	<118	11900

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 630	IP 631	IP 631	IP 632	IP 661	IP 663
			Depth (m)	0.50	0.50	1.50	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850916	9850902	9850908	9850912	9850921	9850889
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		113	91.2	99.5	123	86.9	87.1
Acenaphthene-d10 % recovery**	%	TM218		111	94.3	102	119	87.9	87.7
Phenanthrene-d10 % recovery**	%	TM218		109	100	101	126	87.3	85.8
Chrysene-d12 % recovery**	%	TM218		108	91	102	104	93	83.7
Perylene-d12 % recovery**	%	TM218		111	81	106	116	94.8	86.3
Naphthalene	<9 µg/kg	TM218		84.1 @ M	55.4 @ M	186 @ M	333 @ M	15.4 @ M	82 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		65.5 @ M	12.1 @ M	20.4 @ M	22.8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	21.8 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		153 @ M	223 @ M	108 @ M	76.6 @ M	42.9 @ M	63.8 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	22 @ M	23.9 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		247 @ M	284 @ M	60.3 @ M	282 @ M	31.7 @ M	42.2 @ M
Pyrene	<15 µg/kg	TM218		205 @ M	245 @ M	51.2 @ M	287 @ M	24.7 @ M	31.6 @ M
Benz(a)anthracene	<14 µg/kg	TM218		192 @ M	152 @ M	53.6 @ M	173 @ M	<14 @ M	19.5 @ M
Chrysene	<10 µg/kg	TM218		231 @ M	270 @ M	38.8 @ M	252 @ M	59.2 @ M	94.2 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		538 @ M	328 @ M	56.9 @ M	480 @ M	128 @ M	118 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		193 @ M	104 @ M	22.5 @ M	171 @ M	21.9 @ M	26.3 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		248 @ M	177 @ M	26.9 @ M	245 @ M	20.9 @ M	48.2 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		235 @ M	145 @ M	<18 @ M	309 @ M	<18 @ M	37.8 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		87.3 @ M	58.6 @ M	<23 @ M	114 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		321 @ M	192 @ M	<24 @ M	350 @ M	28.6 @ M	47.3 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2800	2240	668	3120	373	611

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 663	IP 663	IP 664	IP 747	IP 770	IP 770
			Depth (m)	2.50	3.50	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850893	9850897	9850885	9850930	9851253	9851257
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.4	95.9	89.4	87.7	97.9	110
Acenaphthene-d10 % recovery**	%	TM218		94.4	94.5	91.8	85.3	95.2	109
Phenanthrene-d10 % recovery**	%	TM218		93.8	94	90.1	91.3	93.8	107
Chrysene-d12 % recovery**	%	TM218		86.1	84.1	95.9	95.8	97.4	105
Perylene-d12 % recovery**	%	TM218		81	79	103	79.9	99.4	107
Naphthalene	<9 µg/kg	TM218		82.6 @ M	57 @ M	69.9 @ M	149 @ M	70.7 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	30.2 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	48.7 @ M	76.7 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	27.7 @ M	66.6 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		88 @ M	60.4 @ M	68.8 @ M	534 @ M	542 @ M	<15 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	42.1 @ M	120 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	121 @ M	885 @ M	1310 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		17.7 @ M	<15 @ M	120 @ M	813 @ M	994 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	106 @ M	318 @ M	1060 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		57.2 @ M	34.9 @ M	153 @ M	718 @ M	1130 @ M	<10 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		39.6 @ M	22.1 @ M	339 @ M	882 @ M	1770 @ M	<15 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	113 @ M	345 @ M	659 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	19.1 @ M	122 @ M	555 @ M	1140 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	135 @ M	598 @ M	728 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	52.1 @ M	164 @ M	276 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	156 @ M	740 @ M	868 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		285	194	1560	6850	10800	<118

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	IP 770	IP 770	IP 857	IP 857	IP 1065	IP 1151
			Depth (m)	2.50	3.50	0.50	1.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851261	9851267	9851240	9851248	9851233	9851287
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.8	101	91.9	96.5	88.2	103
Acenaphthene-d10 % recovery**	%	TM218		97.9	101	91.9	97.3	88.3	101
Phenanthrene-d10 % recovery**	%	TM218		95.9	98.8	89.7	95.6	86.1	95.8
Chrysene-d12 % recovery**	%	TM218		96	98	87.2	95.3	83.2	88.2
Perylene-d12 % recovery**	%	TM218		99.8	98.7	86.7	97.4	84.1	89.1
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	25.5 @ M	19.2 @ M	25.8 @ M	19.6 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	19.9 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	15.4 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		27.6 @ M	41.7 @ M	85.8 @ M	49.2 @ M	174 @ M	129 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	24.3 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	105 @ M	21.4 @ M	292 @ M	67.7 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	80.4 @ M	20.4 @ M	224 @ M	57.5 @ M
Benz(a)anthracene	<14 µg/kg	TM218		22.2 @ M	27.8 @ M	72.6 @ M	30.1 @ M	144 @ M	42.6 @ M
Chrysene	<10 µg/kg	TM218		29.7 @ M	19.3 @ M	118 @ M	32.5 @ M	195 @ M	82 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	<15 @ M	122 @ M	35.2 @ M	197 @ M	88.5 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	45.9 @ M	<14 @ M	81.5 @ M	26 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	57.5 @ M	<15 @ M	147 @ M	25.1 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	43.3 @ M	<18 @ M	92.3 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	40.2 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	66.8 @ M	<24 @ M	117 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	822	208	1790	538

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 1151	IP 1152	IP 1235	IP 1236	IP 3664	IP 3664
			Depth (m)	1.50	1.50	0.50	0.50	0.30	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851292	9851300	9851224	9851228	9850996	9850986
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.7	97.5	83.9	119	97.5	87
Acenaphthene-d10 % recovery**	%	TM218		98.1	98.2	87.2	120	91.5	85.5
Phenanthrene-d10 % recovery**	%	TM218		95.6	97.3	92.8	110	95.8	84.4
Chrysene-d12 % recovery**	%	TM218		95.9	88.4	90.5	96.5	85.1	84.6
Perylene-d12 % recovery**	%	TM218		97.8	87	87.9	83.3	92.8	89.8
Naphthalene	<9 µg/kg	TM218		28.8 @ M	<9 @ M	47.3 @ M	195 @ M	23.9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	24 @ M	56.7 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	18.3 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	38 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		66.3 @ M	26 @ M	332 @ M	246 @ M	208 @ M	246 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	58.7 @ M	30.3 @ M	<16 @ M	255 @ M
Fluoranthene	<17 µg/kg	TM218		22.1 @ M	<17 @ M	319 @ M	113 @ M	54.9 @ M	634 @ M
Pyrene	<15 µg/kg	TM218		22.7 @ M	<15 @ M	302 @ M	66.3 @ M	39 @ M	420 @ M
Benz(a)anthracene	<14 µg/kg	TM218		26 @ M	25.2 @ M	172 @ M	60.5 @ M	26.7 @ M	456 @ M
Chrysene	<10 µg/kg	TM218		46.1 @ M	17.8 @ M	263 @ M	104 @ M	110 @ M	515 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		55.3 @ M	<15 @ M	221 @ M	141 @ M	71.5 @ M	335 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	93.5 @ M	27.3 @ M	19.4 @ M	788 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	154 @ M	35.6 @ M	38.7 @ M	346 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	111 @ M	40 @ M	36 @ M	214 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	49.3 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	150 @ M	52.9 @ M	57.9 @ M	233 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		267	<118	2350	1170	686	4440

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 3664	IP 3665	IP 3665	IP 3674	IP 3674	IP 3675
			Depth (m)	1.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850990	9850976	9850981	9851039	9851044	9851048
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.2	88.5	94.7	85.9	98.9	96.5
Acenaphthene-d10 % recovery**	%	TM218		87.8	87.1	89.1	87.4	97.9	94.2
Phenanthrene-d10 % recovery**	%	TM218		83.1	85.4	84.3	85.3	96.1	92.4
Chrysene-d12 % recovery**	%	TM218		88.6	80.8	90.8	85.1	96.3	93.5
Perylene-d12 % recovery**	%	TM218		76.7	77.3	82.6	88.7	98	93
Naphthalene	<9 µg/kg	TM218		13 @ M	<9 @ M	<9 @ M	15.5 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		80.1 @ M	47 @ M	79.6 @ M	50.4 @ M	108 @ M	56.6 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	47.6 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	<17 @ M	<17 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	24.5 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		42.1 @ M	<10 @ M	45.9 @ M	24.3 @ M	49 @ M	26.3 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		29.2 @ M	<15 @ M	35.5 @ M	28.9 @ M	<15 @ M	22.4 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		164	<118	161	119	181	<118

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 3675	IP 3677	IP 3678	IP 3681	IP 3682	IP 3682
			Depth (m)	1.50	0.20	0.10	0.20	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851052	9851062	9851067	9851058	9851030	9851035
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95	90.5	88.6	87.5	89.4	89.3
Acenaphthene-d10 % recovery**	%	TM218		92.9	91.1	86	87	89.7	89.4
Phenanthrene-d10 % recovery**	%	TM218		91	92	92.8	88	87.6	87.3
Chrysene-d12 % recovery**	%	TM218		80.8	84.7	87.7	84.2	87.4	86.7
Perylene-d12 % recovery**	%	TM218		77.5	77.9	87.6	72.4	90.4	85.3
Naphthalene	<9 µg/kg	TM218		<9 @ M	24.1 @ M	14.1 @ M	11.7 @ M	18.7 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		172 @ M	283 @ M	63.7 @ M	86.1 @ M	83.6 @ M	54.2 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		28.4 @ M	35.5 @ M	83.8 @ M	48.4 @ M	51.3 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		27.7 @ M	32.1 @ M	93.3 @ M	41.9 @ M	39 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		16.3 @ M	<14 @ M	41.4 @ M	<14 @ M	46 @ M	22.5 @ M
Chrysene	<10 µg/kg	TM218		65.8 @ M	141 @ M	58.6 @ M	49.8 @ M	60.7 @ M	24.6 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		42 @ M	57 @ M	72.8 @ M	31.6 @ M	70.8 @ M	22.4 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	19.4 @ M	<14 @ M	22.4 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	38.3 @ M	<15 @ M	25.1 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	25.1 @ M	<18 @ M	22.2 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	32.9 @ M	<24 @ M	31.7 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		352	572	543	270	472	124

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 3692	IP 3694	IP 3694	IP 3694	IP 3695	IP 3695
			Depth (m)	0.50	0.50	1.50	2.50	0.50	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850962	9851098	9851103	9851108	9851009	9851014
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		86.7	97.8	100	97.9	86.8	99.9
Acenaphthene-d10 % recovery**	%	TM218		85.3	95.5	98.4	91.4	85.7	101
Phenanthrene-d10 % recovery**	%	TM218		84	94.8	97.6	86.1	87.9	99.2
Chrysene-d12 % recovery**	%	TM218		81.2	95.3	88.8	91.5	90.3	99.8
Perylene-d12 % recovery**	%	TM218		83.4	99.3	80.9	82.7	88.7	103
Naphthalene	<9 µg/kg	TM218		<9 @ M	70.7 @ M	17.5 @ M	17.6 @ M	47.3 @ M	11.8 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		60.7 @ M	430 @ M	151 @ M	152 @ M	234 @ M	65.9 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		63.9 @ M	101 @ M	45.3 @ M	<17 @ M	28.1 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		42.4 @ M	63.8 @ M	32.7 @ M	<15 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	63.2 @ M	38.2 @ M	<14 @ M	<14 @ M	25.5 @ M
Chrysene	<10 µg/kg	TM218		<10 @ M	225 @ M	73.2 @ M	73.6 @ M	111 @ M	33 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		43.5 @ M	200 @ M	51.9 @ M	42.2 @ M	84.4 @ M	<15 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		39.5 @ M	37.4 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	50.1 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	49.4 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	36.3 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	60 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		250	1390	409	285	505	136

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 3695	IP 3696	IP 3697	IP 3698	IP 3700	IP 3701
			Depth (m)	2.20	0.20	0.10	0.10	0.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851021	9851005	9851000	9851072	9851081	9851086
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.6	85.7	85.2	81.7	86.6	90.1
Acenaphthene-d10 % recovery**	%	TM218		95	86.7	85.5	84.2	86	88.5
Phenanthrene-d10 % recovery**	%	TM218		93.1	86.6	84.2	90.5	91.4	92.2
Chrysene-d12 % recovery**	%	TM218		92.1	88.6	84.3	87.3	81.8	83.1
Perylene-d12 % recovery**	%	TM218		95.4	92.6	86.2	84.5	66.5	80.4
Naphthalene	<9 µg/kg	TM218		<9 @ M	9.96 @ #	<9 @ M	35.7 @ M	16.1 @ M	47.3 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ #	<8 @ M	20.2 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ #	<10 @ M	17.6 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		171 @ M	67.6 @ #	74.5 @ M	239 @ M	115 @ M	408 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ #	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	22 @ #	49.4 @ M	307 @ M	34.9 @ M	39 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	16.1 @ #	37.8 @ M	216 @ M	22.4 @ M	25.4 @ M
Benz(a)anthracene	<14 µg/kg	TM218		20.1 @ M	<14 @ #	41.3 @ M	149 @ M	15.5 @ M	21.7 @ M
Chrysene	<10 µg/kg	TM218		48.4 @ M	44 @ #	61.2 @ M	282 @ M	51.7 @ M	166 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	46.1 @ #	75 @ M	279 @ M	34 @ M	62.7 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ #	23.6 @ M	95.6 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ #	29.5 @ M	170 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ #	25 @ M	131 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ #	<23 @ M	51.4 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ #	36.6 @ M	155 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		239	206	454	2150	290	770

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 3701	IP 3704	IP 3704	IP 3704	IP 3708	IP 3709
			Depth (m)	0.50	0.50	1.00	1.50	1.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851091	9850942	9850946	9850950	9850938	9850954
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.9	87.2	106	97.3	85.4	91.5
Acenaphthene-d10 % recovery**	%	TM218		91.8	85.8	103	90.6	85.4	89.9
Phenanthrene-d10 % recovery**	%	TM218		99.3	84.8	101	85.8	85.3	88.9
Chrysene-d12 % recovery**	%	TM218		84.5	82.4	98.2	91.8	89.4	86.2
Perylene-d12 % recovery**	%	TM218		82.9	87.6	101	84.8	93.8	87.5
Naphthalene	<9 µg/kg	TM218		22.3 @ M	<9 @ M	14.5 @ M	25.9 @ M	16 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		211 @ M	88.9 @ M	89 @ M	76.1 @ M	115 @ M	45.2 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	91.1 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		142 @ M	53.5 @ M	55 @ M	30.5 @ M	66.4 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		101 @ M	38.1 @ M	44.6 @ M	21.1 @ M	46.3 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		53.9 @ M	<14 @ M	21.5 @ M	<14 @ M	50.3 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		130 @ M	126 @ M	49.5 @ M	62.6 @ M	88.2 @ M	<10 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		96 @ M	74 @ M	66.4 @ M	58.8 @ M	106 @ M	31.3 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		31.8 @ M	112 @ M	<14 @ M	<14 @ M	23.7 @ M	22.3 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		51.8 @ M	<15 @ M	28.6 @ M	18.4 @ M	36.4 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		40.3 @ M	<18 @ M	<18 @ M	<18 @ M	29.3 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		49.3 @ M	<24 @ M	<24 @ M	<24 @ M	38.4 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		929	583	369	293	615	<118

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample R	IP 3709	IP 3715	IP 3715	IP 3716	IP 3750	IP 3761
			Depth (m)	1.50	0.20	0.50	0.20	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850958	9851118	9851122	9851113	9850934	9850967
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		110	92.7	88.3	95.4	88.2	82.8
Acenaphthene-d10 % recovery**	%	TM218		103	93.4	84.8	90.6	86.9	84.3
Phenanthrene-d10 % recovery**	%	TM218		97	95	89.3	100	86.3	82.9
Chrysene-d12 % recovery**	%	TM218		104	90.7	92.3	99	85.9	87.3
Perylene-d12 % recovery**	%	TM218		92.3	82	88.3	88.4	92.2	92.8
Naphthalene	<9 µg/kg	TM218		25.7 @ M	27.1 @ M	49.6 @ M	91.2 @ M	<9 @ M	25.4 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		122 @ M	543 @ M	1520 @ M	539 @ M	63.1 @ M	118 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		45.1 @ M	114 @ M	286 @ M	122 @ M	59.5 @ M	97 @ M
Pyrene	<15 µg/kg	TM218		35.3 @ M	52.2 @ M	101 @ M	75.7 @ M	41.9 @ M	65.6 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	34.6 @ M	51.5 @ M	56 @ M	<14 @ M	67.5 @ M
Chrysene	<10 µg/kg	TM218		91.1 @ M	312 @ M	982 @ M	267 @ M	<10 @ M	109 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		70.4 @ M	143 @ M	353 @ M	111 @ M	<15 @ M	145 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	25.8 @ M	40.4 @ M	26.4 @ M	<14 @ M	44.5 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	32.1 @ M	35.9 @ M	46.8 @ M	<15 @ M	69.5 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	37.4 @ M	60.8 @ M	37.1 @ M	<18 @ M	44.7 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	33 @ M	81.8 @ M	28.5 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	44.6 @ M	66.3 @ M	45.9 @ M	<24 @ M	59.6 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		389	1400	3630	1450	165	845

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 029	IP 029	IP 029	IP 036	IP 036	IP 036
			Depth (m)	0.50	1.50	2.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851153	9851160	9851164	9851191	9851195	9851201
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		71 @	91 @	76 @	81 @	78 @	26 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M	430 @ #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ #
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ #
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ #
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ #
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ #
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	192 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		1260	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		11100	3760	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		2970	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		15300	3760	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	128 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		128	<100	<100	<100	126	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		6210	396	<100	2450	290	1220
Aromatics >EC21-EC35	<100 µg/kg	TM173		36300	7130	<100	14600	2630	5930
Aromatics >EC35-EC44	<100 µg/kg	TM173		14400	820	<100	7930	904	555
Aromatics >EC40-EC44	<100 µg/kg	TM173		5090	<100	<100	2350	550	140
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		57000	8350	<100	25000	3950	7710
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		72400	12200	<100	25000	3960	8140
Aromatics >EC16-EC35	<100 µg/kg	TM173		42500	7530	<100	17100	2920	7150

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 073	IP 073	IP 073	IP 074	IP 074	IP 137
			Depth (m)	0.50	1.50	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851208	9851215	9851220	9851176	9851180	9851168
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		93 @	77 @	66 @	90 @	47 @	73 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ #	<176 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ #	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ #	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ #	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ #	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<36 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<96 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	451	1000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	768	2310
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	8060
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	1300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	<100	1220	12700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	416	558
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	977	1140
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	1070	<100	<100	3760	6840
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	1490	3730
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	587	1930
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	1070	<100	<100	6650	12300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	1080	<100	<100	7880	24900
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	1070	<100	<100	4740	7980

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 137	IP 158	IP 158	IP 158	IP 158	IP 417
			Depth (m)	1.50	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851172	9851126	9851137	9851142	9851147	9851272
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		69 @	63 @	82 @	62 @	79 @	81 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	1140 @ M	<176 @ M	811 @ 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	16.5 @ M	22.6 @ M	27.7 @ M	<8 @ M	21.5 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	19.6 @ M	<12 @ M	29.4 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	45.2 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	19.6 @ M	<12 @ M	21.5 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<36 @	<9 @	19.6 @	<9 @	66.7 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<96 @	<24 @	66.9 @	<24 @	118 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	99.4 @	<40 @	46.3 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	258 @	<40 @	118 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	271 @	<40 @	113 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	147 @	<40 @	185 @
Aliphatics >C12-C16	<100 µg/kg	TM173		7610	2110	1670	<100	<100	37500
Aliphatics >C16-C21	<100 µg/kg	TM173		32400	8690	11700	1450	<100	62300
Aliphatics >C21-C35	<100 µg/kg	TM173		28600	67600	76900	20100	5210	46900
Aliphatics >C35-C44	<100 µg/kg	TM173		5520	11200	13800	828	<100	1520
Total Aliphatics >C12-C44	<100 µg/kg	TM173		74100	89600	104000	22400	5210	148000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	54.7 @	230 @	<40 @	172 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	97.8 @	<40 @	124 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		1830	5720	3330	<100	<100	3980
Aromatics >EC16-EC21	<100 µg/kg	TM173		14200	59200	41800	1190	1050	20600
Aromatics >EC21-EC35	<100 µg/kg	TM173		50900	268000	173000	78000	31600	56200
Aromatics >EC35-EC44	<100 µg/kg	TM173		10400	73900	55100	20500	11300	12000
Aromatics >EC40-EC44	<100 µg/kg	TM173		3520	23000	19800	3850	2420	2330
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		77300	407000	274000	99700	43900	92800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		152000	497000	378000	123000	49200	242000
Aromatics >EC16-EC35	<100 µg/kg	TM173		65100	327000	215000	79200	32700	76800

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 417	IP 432	IP 541	IP 541	IP 543	IP 543
			Depth (m)	1.50	0.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851278	9851282	9851132	9851185	9851026	9851076
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		35 @	73 @	78 @	75 @	80 @	81 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	6180 @ M	<176 @ M	8330 @ 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	62.1 @ 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	78.2 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<36 @	<9 @	<9 @	<9 @	78.2 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<96 @	<24 @	<24 @	<24 @	140 @
Aliphatics >C5-C6	<10 µg/kg	TM089		45.1 @	<40 @	<40 @	177 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	1550 @	<40 @	274 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	1840 @	<40 @	1730 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	828 @	<40 @	3000 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	3360	<100	<100	<100	180000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	9270	<100	<100	<100	158000
Aliphatics >C21-C35	<100 µg/kg	TM173		168000	8690	<100	<100	725	34100
Aliphatics >C35-C44	<100 µg/kg	TM173		32400	4360	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		201000	25700	<100	<100	725	372000
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		65.6 @	<40 @	<40 @	1220 @	<40 @	1290 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	551 @	<40 @	2000 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		30100	6650	<100	<100	<100	4070
Aromatics >EC16-EC21	<100 µg/kg	TM173		21400	54400	<100	<100	827	16500
Aromatics >EC21-EC35	<100 µg/kg	TM173		838000	192000	<100	<100	5190	10200
Aromatics >EC35-EC44	<100 µg/kg	TM173		69500	64200	<100	<100	2630	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		16500	26400	<100	<100	883	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		959000	317000	<100	<100	8650	30800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1160000	343000	<100	6180	9380	411000
Aromatics >EC16-EC35	<100 µg/kg	TM173		859000	247000	<100	<100	6020	26700

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 546	IP 546	IP 546	IP 547	IP 570	IP 613
			Depth (m)	0.50	1.50	2.40	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851244	9851296	9850881	9850971	9850925	9850876
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		100 @	96 @	75 @	142 @	90 @	82 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	81100 @ M	42100 @ M	<176 @ M	213000 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	28 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	246 @ M	<12 @ M	<12 @ M	175 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	34.6 @ M	80.6 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	627 @ M	<12 @ M	<12 @ M	1860 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	662 @	80.6 @	<9 @	1860 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	908 @	109 @	<24 @	2040 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	911 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	279 @	1800 @	<40 @	104 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	14400 @	3820 @	<40 @	42100 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	33500 @	19500 @	<40 @	84300 @	42.9 @
Aliphatics >C12-C16	<100 µg/kg	TM173		14400	26300	80800	<100	110000	4210
Aliphatics >C16-C21	<100 µg/kg	TM173		77400	3040	6140	<100	23600	29700
Aliphatics >C21-C35	<100 µg/kg	TM173		36400	<100	<100	<100	13900	74800
Aliphatics >C35-C44	<100 µg/kg	TM173		2510	<100	<100	<100	<100	20900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		131000	29400	86900	<100	148000	130000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	10500 @	2630 @	<40 @	30100 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	22300 @	13000 @	<40 @	56200 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		2690	<100	36600	<100	845	1940
Aromatics >EC16-EC21	<100 µg/kg	TM173		18900	<100	1200	<100	2570	10800
Aromatics >EC21-EC35	<100 µg/kg	TM173		43200	<100	<100	<100	8150	105000
Aromatics >EC35-EC44	<100 µg/kg	TM173		11900	<100	<100	<100	2690	60800
Aromatics >EC40-EC44	<100 µg/kg	TM173		2750	<100	<100	<100	660	20400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		76600	<100	37800	<100	14200	179000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		207000	110000	166000	<100	375000	309000
Aromatics >EC16-EC35	<100 µg/kg	TM173		62100	<100	1200	<100	10700	116000

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 630	IP 631	IP 631	IP 632	IP 661	IP 663
			Depth (m)	0.50	0.50	1.50	0.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850916	9850902	9850908	9850912	9850921	9850889
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76 @	77 @	115 @	90 @	79 @	69 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		127000 @ M	16000 @ M	316000 @ M	239000 @ M	4260 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<36 @	<9 @	<36 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<96 @	<24 @	<96 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		204 @	<40 @	7660 @	152 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		1590 @	64.1 @	93100 @	5250 @	47.6 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		21700 @	2810 @	52200 @	60300 @	174 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		53400 @	6730 @	77200 @	79700 @	2330 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		597000	70600	41500	364000	<100	1710
Aliphatics >C16-C21	<100 µg/kg	TM173		97700	33500	23100	54000	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		62700	20500	5100	26000	<100	3840
Aliphatics >C35-C44	<100 µg/kg	TM173		3160	1040	<100	1340	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		761000	126000	69700	446000	<100	5550
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		14500 @	1870 @	34800 @	40200 @	124 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		35600 @	4490 @	51500 @	53100 @	1550 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		39800	4440	6670	42300	<100	204
Aromatics >EC16-EC21	<100 µg/kg	TM173		23100	7810	7110	17900	<100	520
Aromatics >EC21-EC35	<100 µg/kg	TM173		87300	29900	3270	42600	<100	13400
Aromatics >EC35-EC44	<100 µg/kg	TM173		19700	8320	<100	9890	<100	4370
Aromatics >EC40-EC44	<100 µg/kg	TM173		5860	2640	<100	2950	<100	1160
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		170000	50400	17100	113000	<100	18500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1060000	192000	403000	797000	4260	24200
Aromatics >EC16-EC35	<100 µg/kg	TM173		110000	37700	10400	60400	<100	13900

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 663	IP 663	IP 664	IP 747	IP 770	IP 770
			Depth (m)	2.50	3.50	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850893	9850897	9850885	9850930	9851253	9851257
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		69 @	77 @	132 @	83 @	68 @	44 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		48300 @ M	39700 @ M	<176 @ M	213 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	185 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	140 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	53.1 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	53.1 @	<9 @	<9 @	<36 @	<36 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	378 @	<24 @	<24 @	<96 @	<96 @
Aliphatics >C5-C6	<10 µg/kg	TM089		805 @	855 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		8230 @	8660 @	<40 @	46.4 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		11600 @	8480 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		11900 @	9400 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	4990	10400	35800	<100	1420
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	22000	28100	4750	676
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	29400	48900	36300	103000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	1310	5080	9010	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	4990	63100	118000	50100	105000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	185 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		7760 @	5850 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		7920 @	6270 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	2530	310	2470	773	1620
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	2470	7530	7190	6900
Aromatics >EC21-EC35	<100 µg/kg	TM173		746	<100	25100	54600	61600	475000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	9570	16600	35500	90300
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	3150	5120	14100	21700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		746	2530	37500	81200	105000	574000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		49000	47200	101000	199000	155000	679000
Aromatics >EC16-EC35	<100 µg/kg	TM173		746	<100	27600	62200	68800	482000

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 770	IP 770	IP 857	IP 857	IP 1065	IP 1151
			Depth (m)	2.50	3.50	0.50	1.50	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851261	9851267	9851240	9851248	9851233	9851287
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		85 @	66 @	96 @	113 @	88 @	74 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	28100 @ M	2880 @ M	415 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<36 @	<9 @	<36 @	<9 @	<36 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<96 @	<24 @	<96 @	<24 @	<96 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	116 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	4640 @	515 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	12100 @	1200 @	192 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	45200	<100	<100	1780
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	13500	<100	2880	3210
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	114	3200	<100	14900	3990
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	27100	148
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	114	61900	<100	44900	9130
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	3100 @	343 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	8090 @	798 @	128 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	2080	<100	<100	452
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	4330	<100	1200	2190
Aromatics >EC21-EC35	<100 µg/kg	TM173		2320	4260	9410	3210	16900	6720
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	1130	2480	<100	8490	1370
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	417	697	<100	3020	461
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		2320	5390	18300	3210	26600	10700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2330	5510	108000	6090	71900	19900
Aromatics >EC16-EC35	<100 µg/kg	TM173		2320	4260	13700	3210	18100	8910

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 1151	IP 1152	IP 1235	IP 1236	IP 3664	IP 3664
			Depth (m)	1.50	1.50	0.50	0.50	0.30	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851292	9851300	9851224	9851228	9850996	9850986
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88 @	81 @	73 @	65 @	112 @	72 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	7260 @ M	275 @ M	<176 @ M	<176 @ M	853 @ 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	10.2 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<36 @	<9 @	<36 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<96 @	<24 @	<96 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	42.9 @	<40 @	<40 @	<40 @	67.8 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	320 @	55.4 @	<40 @	<40 @	362 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	1310 @	64.4 @	<40 @	<40 @	212 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	2820 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	38500	515	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	47800	13600	<100	1150	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		1750	12200	73900	<100	2570	6150
Aliphatics >C35-C44	<100 µg/kg	TM173		421	784	36300	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2170	99200	124000	<100	3720	6150
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	887 @	68.9 @	42.2 @	<40 @	141 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	1880 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		401	4410	486	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		948	7230	5760	183	<100	2950
Aromatics >EC21-EC35	<100 µg/kg	TM173		4610	5020	66900	324	5340	21500
Aromatics >EC35-EC44	<100 µg/kg	TM173		807	<100	79900	<100	<100	10200
Aromatics >EC40-EC44	<100 µg/kg	TM173		243	<100	36000	<100	<100	2910
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		6760	16700	153000	507	5340	34600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		8940	123000	278000	584	9150	41600
Aromatics >EC16-EC35	<100 µg/kg	TM173		5560	12200	72700	507	5340	24500

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 3664	IP 3665	IP 3665	IP 3674	IP 3674	IP 3675
			Depth (m)	1.50	0.50	1.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850990	9850976	9850981	9851039	9851044	9851048
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		79 @	90 @	78 @	92 @	99 @	93 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3810 @ M	272 @ M	735 @ M	<176 @ M	112000 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		133 @ M	<20 @ M	31.4 @ 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		25.7 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		31.1 @ 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	1250 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	1250 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		56.8 @	<24 @	<24 @	<24 @	1250 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		272 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		1880 @	114 @	332 @	<40 @	1380 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		750 @	63.2 @	137 @	<40 @	30200 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		124 @	<40 @	67.2 @	<40 @	35400 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	4710	<100	944
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	4710	<100	944
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		531 @	46.1 @	98.6 @	<40 @	21400 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		82.5 @	<40 @	44.8 @	<40 @	23600 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	10700	<100	12300	1290	3710
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	7000	<100	559
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	2050	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	10700	<100	19300	1290	4260
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3680	10900	703	24000	113000	5220
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	10700	<100	12300	1290	3710

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 3675	IP 3677	IP 3678	IP 3681	IP 3682	IP 3682
			Depth (m)	1.50	0.20	0.10	0.20	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851052	9851062	9851067	9851058	9851030	9851035
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		79 @	79 @	78 @	96 @	79 @	85 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1160 @ M	25600 @ M	991 @ M	<176 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		51.1 @	1350 @	65.3 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		615 @	14000 @	493 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	727	143	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	2530	3310	278	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		431	3180	9280	4080	6250	1700
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	915	3170	1220	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		431	7350	15900	5580	6250	1700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	899 @	47.4 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		410 @	9310 @	329 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	824	2300	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	4680	14900	2870
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	1020	6860	1670
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	1960	626
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	6520	24100	4540
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1590	32900	16900	12100	30300	6260
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	<100	<100	5500	17200	2870

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 3692	IP 3694	IP 3694	IP 3694	IP 3695	IP 3695
			Depth (m)	0.50	0.50	1.50	2.50	0.50	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850962	9851098	9851103	9851108	9851009	9851014
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88 @	80 @	100 @	100 @	80 @	96 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	31500 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<36 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<96 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	1450 @	<40 @	42.2 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	17400 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	1410	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	1420	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		4820	3800	2730	<100	4840	1650
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	1720	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		4820	3800	2730	<100	9390	1650
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	967 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	11600 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	187	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	196	<100	665	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		15300	10600	4500	<100	3910	2990
Aromatics >EC35-EC44	<100 µg/kg	TM173		5440	1920	<100	<100	2170	3010
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	491	<100	<100	703	1470
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		20800	12500	4690	<100	6940	6010
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		25600	47800	7530	102	16300	7660
Aromatics >EC16-EC35	<100 µg/kg	TM173		15300	10600	4690	<100	4580	2990

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 3695	IP 3696	IP 3697	IP 3698	IP 3700	IP 3701
			Depth (m)	2.20	0.20	0.10	0.10	0.20	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851021	9851005	9851000	9851072	9851081	9851086
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		90 @	90 @	84 @	83 @	86 @	88 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ #	<176 @ M	574 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ #	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ #	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ #	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ #	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36 @	<9 @	<36 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<96 @	<24 @	<96 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	65.8 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	240 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	423	195	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	1030	982	2570	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	3980	13800	47300	2940
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	821	3620	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	5440	15800	53500	2940
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	50.2 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	160 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	180	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	309	748	1720	116	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	3180	5040	12300	13700	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	1980	2230	4270	2790	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	607	780	1620	242	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	5460	8200	18300	16600	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	5460	13600	34600	70100	2940
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	3490	5790	14000	13800	<100

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 3701	IP 3704	IP 3704	IP 3704	IP 3708	IP 3709
			Depth (m)	0.50	0.50	1.00	1.50	1.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9851091	9850942	9850946	9850950	9850938	9850954
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		83 @	87 @	80 @	82 @	88 @	86 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	529 @ M	958 @ M	368 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	10.7 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	42.7 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	49.3 @	106 @	98.6 @	93.7 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	43.7 @	115 @	123 @	81.9 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	93.9 @	363 @	57.1 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		414	8110	6350	2770	1680	3160
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		414	8110	6350	2770	1680	3160
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	101 @	101 @	65.7 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	62.2 @	242 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		127	3050	2290	<100	340	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		5330	25300	18900	4130	6400	11700
Aromatics >EC35-EC44	<100 µg/kg	TM173		598	10900	8860	572	1540	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	3400	2190	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		6060	39300	30100	4700	8290	11700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		6540	47600	36900	8430	10300	14800
Aromatics >EC16-EC35	<100 µg/kg	TM173		5460	28400	21200	4130	6740	11700

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	IP 3709	IP 3715	IP 3715	IP 3716	IP 3750	IP 3761
			Depth (m)	1.50	0.20	0.50	0.20	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014	18/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014	21/08/2014
			SDG Ref	140821-95	140821-95	140821-95	140821-95	140821-95	140821-95
			Lab Sample No.(s)	9850958	9851118	9851122	9851113	9850934	9850967
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		79 @	82 @	79 @	88 @	85 @	89 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	949 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	97.6 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	600 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	114 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	2050	635	<100	1790
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	970	4640	4680	<100	4850
Aliphatics >C21-C35	<100 µg/kg	TM173		5650	3850	6580	7260	3570	37400
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	383	<100	<100	4500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		5650	4820	13700	12600	3570	48500
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	101 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	679	370	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	1690	2240	<100	4650
Aromatics >EC21-EC35	<100 µg/kg	TM173		6240	4170	6740	11300	13700	27500
Aromatics >EC35-EC44	<100 µg/kg	TM173		1790	<100	<100	1470	4990	12300
Aromatics >EC40-EC44	<100 µg/kg	TM173		348	<100	<100	<100	<100	3990
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		8020	4170	9110	15400	18700	44400
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		13700	9000	22800	28000	23200	93000
Aromatics >EC16-EC35	<100 µg/kg	TM173		6240	4170	8430	13600	13700	32100

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Asbestos Identification - Solid Samples

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 029 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851153 TM048	5/9/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 036 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851191 TM048	5/9/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 073 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851208 TM048	5/9/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 074 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851176 TM048	5/9/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 137 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851168 TM048	05/09/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 158 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851126 TM048	05/09/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 417 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851272 TM048	05/09/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 432 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851282 TM048	5/9/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 541 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851132 TM048	05/09/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 543 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851026 TM048	05/09/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 546 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851244 TM048	05/09/14	Kevin Gill	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 547 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850971 TM048	05/09/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 570 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850925 TM048	5/9/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 613 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850876 TM048	05/09/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 630 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850916 TM048	05/09/14	Tomasz Pawlikowski	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 631 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850902 TM048	5/9/14	Kevin Gill	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 632 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850912 TM048	05/09/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 661 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850921 TM048	5/9/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 663 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850889 TM048	5/9/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 664 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850885 TM048	05/09/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 747 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850930 TM048	05/09/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 770 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851253 TM048	5/9/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 857 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851240 TM048	05/09/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 1065 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851233 TM048	5/9/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 1235 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851224 TM048	05/09/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 1236 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851228 TM048	05/09/14	Tomasz Pawlikowski	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3664 0.30 SOLID 18/08/2014 00:00:00 140821-95 9850996 TM048	5/9/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3664 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850986 TM048	05/09/14	Tomasz Pawlikowski	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3665 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850976 TM048	5/95/9/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3674 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851039 TM048	05/09/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3675 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851048 TM048	5/9/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3677 0.20 SOLID 18/08/2014 00:00:00 140821-95 9851062 TM048	05/09/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3678 0.10 SOLID 18/08/2014 00:00:00 140821-95 9851067 TM048	5/9/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3681 0.20 SOLID 18/08/2014 00:00:00 140821-95 9851058 TM048	5/9/14	Kevin Gill	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3682 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851030 TM048	5/9/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3682 1.00 SOLID 18/08/2014 00:00:00 140821-95 9851035 TM048	5/9/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3692 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850962 TM048	5/9/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3694 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851098 TM048	05/09/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3695 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851009 TM048	5/9/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3696 0.20 SOLID 18/08/2014 00:00:00 140821-95 9851005 TM048	05/09/14	Tomasz Pawlikowski	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3697 0.10 SOLID 18/08/2014 00:00:00 140821-95 9851000 TM048	5/9/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3698 0.10 SOLID 18/08/2014 00:00:00 140821-95 9851072 TM048	5/9/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3700 0.20 SOLID 18/08/2014 00:00:00 140821-95 9851081 TM048	5/9/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3701 0.20 SOLID 18/08/2014 00:00:00 140821-95 9851086 TM048	5/9/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3701 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851091 TM048	5/9/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3704 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850942 TM048	5/9/14	Kevin Gill	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3704 1.00 SOLID 18/08/2014 00:00:00 140821-95 9850946 TM048	05/09/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3708 1.00 SOLID 18/08/2014 00:00:00 140821-95 9850938 TM048	05/09/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3709 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850954 TM048	5/9/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3715 0.20 SOLID 18/08/2014 00:00:00 140821-95 9851118 TM048	05/09/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3715 0.50 SOLID 18/08/2014 00:00:00 140821-95 9851122 TM048	5/9/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3716 0.20 SOLID 18/08/2014 00:00:00 140821-95 9851113 TM048	05/09/14	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3750 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850934 TM048	05/09/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3761 0.50 SOLID 18/08/2014 00:00:00 140821-95 9850967 TM048	05/09/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	9851153	9851160	9851164	9851191	9851195	9851201	9851208	9851215	9851220	9851176
Customer Sample Ref.	IP 029	IP 029	IP 029	IP 036	IP 036	IP 036	IP 073	IP 073	IP 073	IP 074
AGS Ref.										
Depth	0.50	1.50	2.50	0.50	1.50	2.50	0.50	1.50	2.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	05-Sep-2014			05-Sep-2014			05-Sep-2014			05-Sep-2014
EPH CWG (Aliphatic) GC (S)	04-Sep-2014	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	06-Sep-2014	04-Sep-2014	05-Sep-2014
EPH CWG (Aromatic) GC (S)	04-Sep-2014	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	06-Sep-2014	04-Sep-2014	05-Sep-2014
GRO by GC-FID (S)	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014
Metals in solid samples by OES	02-Sep-2014	28-Aug-2014	29-Aug-2014	03-Sep-2014	28-Aug-2014	28-Aug-2014	03-Sep-2014	28-Aug-2014	28-Aug-2014	03-Sep-2014
PAH by GCMS	04-Sep-2014	05-Sep-2014	05-Sep-2014	07-Sep-2014	05-Sep-2014	05-Sep-2014	07-Sep-2014	05-Sep-2014	05-Sep-2014	07-Sep-2014
pH	04-Sep-2014	03-Sep-2014	04-Sep-2014	04-Sep-2014	03-Sep-2014	03-Sep-2014	04-Sep-2014	03-Sep-2014	03-Sep-2014	04-Sep-2014
Sample description	29-Aug-2014	22-Aug-2014	22-Aug-2014	30-Aug-2014	22-Aug-2014	22-Aug-2014	30-Aug-2014	22-Aug-2014	22-Aug-2014	30-Aug-2014
TPH CWG GC (S)	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	06-Sep-2014	05-Sep-2014	05-Sep-2014

Lab Sample No(s)	9851180	9851168	9851172	9851126	9851137	9851142	9851147	9851272	9851278	9851282
Customer Sample Ref.	IP 074	IP 137	IP 137	IP 158	IP 158	IP 158	IP 158	IP 417	IP 417	IP 432
AGS Ref.										
Depth	1.50	0.50	1.50	0.50	1.50	2.50	3.50	0.50	1.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		05-Sep-2014		05-Sep-2014				05-Sep-2014		05-Sep-2014
EPH CWG (Aliphatic) GC (S)	05-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014
EPH CWG (Aromatic) GC (S)	05-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014
GRO by GC-FID (S)	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014
Metals in solid samples by OES	28-Aug-2014	03-Sep-2014	28-Aug-2014	02-Sep-2014	29-Aug-2014	29-Aug-2014	28-Aug-2014	02-Sep-2014	27-Aug-2014	02-Sep-2014
PAH by GCMS	07-Sep-2014	07-Sep-2014	05-Sep-2014	06-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	07-Sep-2014	07-Sep-2014	08-Sep-2014
pH	03-Sep-2014	04-Sep-2014	03-Sep-2014	04-Sep-2014	03-Sep-2014	03-Sep-2014	03-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Sample description	22-Aug-2014	30-Aug-2014	22-Aug-2014	29-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	29-Aug-2014	22-Aug-2014	29-Aug-2014
Total Organic Carbon		03-Sep-2014								02-Sep-2014
TPH CWG GC (S)	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014

Lab Sample No(s)	9851132	9851185	9851026	9851076	9850881	9851244	9851296	9850971	9850925	9850876
Customer Sample Ref.	IP 541	IP 541	IP 543	IP 543	IP 546	IP 546	IP 546	IP 547	IP 570	IP 613
AGS Ref.										
Depth	0.50	1.50	0.50	1.50	2.40	0.50	1.50	0.50	0.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	05-Sep-2014		05-Sep-2014			05-Sep-2014		05-Sep-2014	05-Sep-2014	05-Sep-2014
EPH CWG (Aliphatic) GC (S)	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014
EPH CWG (Aromatic) GC (S)	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014
GRO by GC-FID (S)	04-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	03-Sep-2014	05-Sep-2014	03-Sep-2014	05-Sep-2014	05-Sep-2014
Metals in solid samples by OES	03-Sep-2014	27-Aug-2014	02-Sep-2014	27-Aug-2014	27-Aug-2014	02-Sep-2014	28-Aug-2014	03-Sep-2014	03-Sep-2014	02-Sep-2014
PAH by GCMS	08-Sep-2014	05-Sep-2014	07-Sep-2014	05-Sep-2014	05-Sep-2014	08-Sep-2014	05-Sep-2014	08-Sep-2014	08-Sep-2014	08-Sep-2014
pH	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Sample description	29-Aug-2014	22-Aug-2014	29-Aug-2014	22-Aug-2014	22-Aug-2014	29-Aug-2014	22-Aug-2014	29-Aug-2014	29-Aug-2014	29-Aug-2014
Total Organic Carbon								02-Sep-2014		02-Sep-2014
TPH CWG GC (S)	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014

Lab Sample No(s)	9850916	9850902	9850908	9850912	9850921	9850889	9850893	9850897	9850885	9850930
Customer Sample Ref.	IP 630	IP 631	IP 631	IP 632	IP 661	IP 663	IP 663	IP 663	IP 664	IP 747
AGS Ref.										
Depth	0.50	0.50	1.50	0.50	0.50	0.50	2.50	3.50	0.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	05-Sep-2014	05-Sep-2014		05-Sep-2014	05-Sep-2014	05-Sep-2014			05-Sep-2014	05-Sep-2014
EPH CWG (Aliphatic) GC (S)	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014
EPH CWG (Aromatic) GC (S)	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014
GRO by GC-FID (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014
Metals in solid samples by OES	03-Sep-2014	03-Sep-2014	27-Aug-2014	03-Sep-2014	03-Sep-2014	03-Sep-2014	27-Aug-2014	27-Aug-2014	03-Sep-2014	03-Sep-2014
PAH by GCMS	07-Sep-2014	05-Sep-2014	07-Sep-2014	05-Sep-2014	08-Sep-2014	08-Sep-2014	05-Sep-2014	05-Sep-2014	08-Sep-2014	05-Sep-2014
pH	04-Sep-2014	04-Sep-2014	03-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Sample description	30-Aug-2014	30-Aug-2014	22-Aug-2014	30-Aug-2014	30-Aug-2014	29-Aug-2014	22-Aug-2014	22-Aug-2014	29-Aug-2014	30-Aug-2014
Total Organic Carbon						02-Sep-2014				
TPH CWG GC (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	9851253	9851257	9851261	9851267	9851240	9851248	9851233	9851287	9851292	9851300
Customer Sample Ref.	IP 770	IP 770	IP 770	IP 770	IP 857	IP 857	IP 1065	IP 1151	IP 1151	IP 1152
AGS Ref.										
Depth	0.50	1.50	2.50	3.50	0.50	1.50	0.50	0.50	1.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	05-Sep-2014				05-Sep-2014		05-Sep-2014			
EPH CWG (Aliphatic) GC (S)	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014
EPH CWG (Aromatic) GC (S)	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014
GRO by GC-FID (S)	04-Sep-2014	05-Sep-2014	03-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014
Metals in solid samples by OES	03-Sep-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	03-Sep-2014	27-Aug-2014	03-Sep-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014
PAH by GCMS	06-Sep-2014	07-Sep-2014	07-Sep-2014	07-Sep-2014	07-Sep-2014	07-Sep-2014	08-Sep-2014	07-Sep-2014	07-Sep-2014	07-Sep-2014
pH	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	03-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Sample description	28-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	30-Aug-2014	22-Aug-2014	30-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014
TPH CWG GC (S)	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014

Lab Sample No(s)	9851224	9851228	9850986	9850990	9850996	9850976	9850981	9851039	9851044	9851048
Customer Sample Ref.	IP 1235	IP 1236	IP 3664	IP 3664	IP 3664	IP 3665	IP 3665	IP 3674	IP 3674	IP 3675
AGS Ref.										
Depth	0.50	0.50	0.50	1.50	0.30	0.50	1.50	0.50	1.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	05-Sep-2014	05-Sep-2014	05-Sep-2014		05-Sep-2014	05-Sep-2014		05-Sep-2014		05-Sep-2014
EPH CWG (Aliphatic) GC (S)	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014
EPH CWG (Aromatic) GC (S)	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014
GRO by GC-FID (S)	04-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	03-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Metals in solid samples by OES	03-Sep-2014	03-Sep-2014	02-Sep-2014	28-Aug-2014	03-Sep-2014	02-Sep-2014	28-Aug-2014	01-Sep-2014	28-Aug-2014	03-Sep-2014
PAH by GCMS	05-Sep-2014	07-Sep-2014	05-Sep-2014	06-Sep-2014	05-Sep-2014	05-Sep-2014	06-Sep-2014	08-Sep-2014	07-Sep-2014	06-Sep-2014
pH	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Sample description	30-Aug-2014	30-Aug-2014	28-Aug-2014	22-Aug-2014	30-Aug-2014	28-Aug-2014	22-Aug-2014	28-Aug-2014	22-Aug-2014	29-Aug-2014
Total Organic Carbon	03-Sep-2014		02-Sep-2014							
TPH CWG GC (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014

Lab Sample No(s)	9851052	9851062	9851067	9851058	9851030	9851035	9850962	9851098	9851103	9851108
Customer Sample Ref.	IP 3675	IP 3677	IP 3678	IP 3681	IP 3682	IP 3682	IP 3692	IP 3694	IP 3694	IP 3694
AGS Ref.										
Depth	1.50	0.20	0.10	0.20	0.50	1.00	0.50	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples		05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014		
EPH CWG (Aliphatic) GC (S)	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	06-Sep-2014
EPH CWG (Aromatic) GC (S)	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	06-Sep-2014
GRO by GC-FID (S)	03-Sep-2014	03-Sep-2014	03-Sep-2014	03-Sep-2014	04-Sep-2014	04-Sep-2014	05-Sep-2014	03-Sep-2014	03-Sep-2014	03-Sep-2014
Metals in solid samples by OES	29-Aug-2014	03-Sep-2014	03-Sep-2014	03-Sep-2014	01-Sep-2014	01-Sep-2014	02-Sep-2014	03-Sep-2014	28-Aug-2014	28-Aug-2014
PAH by GCMS	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	07-Sep-2014	07-Sep-2014	05-Sep-2014	06-Sep-2014	07-Sep-2014	06-Sep-2014
pH	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Sample description	22-Aug-2014	30-Aug-2014	30-Aug-2014	30-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	30-Aug-2014	22-Aug-2014	22-Aug-2014
Total Organic Carbon		02-Sep-2014				01-Sep-2014				27-Aug-2014
TPH CWG GC (S)	04-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	04-Sep-2014	06-Sep-2014

Lab Sample No(s)	9851009	9851014	9851021	9851005	9851000	9851072	9851081	9851086	9851091	9850942
Customer Sample Ref.	IP 3695	IP 3695	IP 3695	IP 3696	IP 3697	IP 3698	IP 3700	IP 3701	IP 3701	IP 3704
AGS Ref.										
Depth	0.50	1.20	2.20	0.20	0.10	0.10	0.20	0.20	0.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	05-Sep-2014			05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014
EPH CWG (Aliphatic) GC (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014
EPH CWG (Aromatic) GC (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014
GRO by GC-FID (S)	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	03-Sep-2014	03-Sep-2014	03-Sep-2014	05-Sep-2014	04-Sep-2014
Metals in solid samples by OES	01-Sep-2014	28-Aug-2014	28-Aug-2014	02-Sep-2014	02-Sep-2014	03-Sep-2014	03-Sep-2014	03-Sep-2014	02-Sep-2014	02-Sep-2014
PAH by GCMS	08-Sep-2014	07-Sep-2014	07-Sep-2014	08-Sep-2014	07-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014
pH	04-Sep-2014	04-Sep-2014	03-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Sample description	28-Aug-2014	22-Aug-2014	22-Aug-2014	29-Aug-2014	29-Aug-2014	30-Aug-2014	30-Aug-2014	30-Aug-2014	30-Aug-2014	28-Aug-2014
TPH CWG GC (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	04-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014

CERTIFICATE OF ANALYSIS

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	9850946	9850950	9850938	9850954	9850958	9851118	9851122	9851113	9850934	9850967
Customer Sample Ref.	IP 3704	IP 3704	IP 3708	IP 3709	IP 3709	IP 3715	IP 3715	IP 3716	IP 3750	IP 3761
AGS Ref.										
Depth	1.00	1.50	1.00	0.50	1.50	0.20	0.50	0.20	0.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	05-Sep-2014		05-Sep-2014	05-Sep-2014		05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014
EPH CWG (Aliphatic) GC (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014
EPH CWG (Aromatic) GC (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014
GRO by GC-FID (S)	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	03-Sep-2014	05-Sep-2014	03-Sep-2014	04-Sep-2014	04-Sep-2014
Metals in solid samples by OES	02-Sep-2014	28-Aug-2014	29-Aug-2014	02-Sep-2014	28-Aug-2014	03-Sep-2014	03-Sep-2014	03-Sep-2014	02-Sep-2014	02-Sep-2014
PAH by GCMS	05-Sep-2014	06-Sep-2014	08-Sep-2014	05-Sep-2014	06-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	07-Sep-2014
pH	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014	04-Sep-2014
Sample description	28-Aug-2014	22-Aug-2014	26-Aug-2014	28-Aug-2014	22-Aug-2014	30-Aug-2014	30-Aug-2014	30-Aug-2014	28-Aug-2014	28-Aug-2014
Total Organic Carbon			29-Aug-2014							
TPH CWG GC (S)	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014	05-Sep-2014

SDG:	140821-95	**Location:**	Coed Darcy	**Order Number:**	CD0793
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	283226
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix

General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	12 December 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140812-31
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	295494

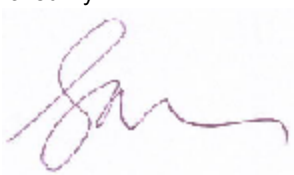
This report has been revised and directly supersedes 282905 in its entirety.

We received 134 samples on Tuesday August 12, 2014 and 134 of these samples were scheduled for analysis which was completed on Thursday September 04, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan
Operations Manager

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

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9789651	IP 001		0.50	08/08/2014
9789656	IP 001		1.50	08/08/2014
9789661	IP 001		2.50	08/08/2014
9789666	IP 001		3.50	08/08/2014
9795727	IP 1		0.50	08/08/2014
9795733	IP 1		1.10	08/08/2014
9795738	IP 1		2.00	08/08/2014
9795756	IP 2		0.50	08/08/2014
9789111	IP 003		0.50	08/08/2014
9789117	IP 003		1.50	08/08/2014
9789123	IP 003		2.50	08/08/2014
9789127	IP 003		3.50	08/08/2014
9795762	IP 3		0.50	08/08/2014
9795690	IP 3		1.50	08/08/2014
9789171	IP 010		0.50	08/08/2014
9789176	IP 010		1.50	08/08/2014
9789180	IP 010		2.50	08/08/2014
9789184	IP 010		3.50	08/08/2014
9789192	IP 010		4.50	08/08/2014
9789153	IP 012		0.50	08/08/2014
9789157	IP 012		1.50	08/08/2014
9789161	IP 012		2.50	08/08/2014
9789167	IP 012		3.50	08/08/2014
9789131	IP 013		0.50	08/08/2014
9789135	IP 013		1.50	08/08/2014
9789144	IP 013		2.50	08/08/2014
9789149	IP 013		3.50	08/08/2014
9795686	IP 1556		0.50	08/08/2014
9795717	IP 1556		1.50	08/08/2014
9795722	IP 1556		2.50	08/08/2014
9789646	IP 2009		0.50	08/08/2014
9789628	IP 2191		0.50	08/08/2014
9789632	IP 2191		1.50	08/08/2014
9789357	IP 3261		0.50	08/08/2014
9789362	IP 3261		1.00	08/08/2014
9789367	IP 3261		2.00	08/08/2014
9789371	IP 3261		3.00	08/08/2014
9789376	IP 3280		0.50	08/08/2014
9789381	IP 3280		1.50	08/08/2014
9789386	IP 3280		2.50	08/08/2014
9789391	IP 3280		3.50	08/08/2014
9789322	IP 3313		0.50	08/08/2014
9789329	IP 3313		1.00	08/08/2014
9789333	IP 3313		2.00	08/08/2014
9789340	IP 3313		3.00	08/08/2014
9789351	IP 3313		4.00	08/08/2014
9795745	IP 3322		0.50	08/08/2014
9795701	IP 3324		0.50	08/08/2014
9789299	IP 3331		0.50	08/08/2014
9789303	IP 3331		1.50	08/08/2014
9789308	IP 3331		2.50	08/08/2014
9789313	IP 3331		3.50	08/08/2014
9789317	IP 3331		4.50	08/08/2014
9795707	IP 3369		0.50	08/08/2014
9795712	IP 3369		1.50	08/08/2014
9795695	IP 3370		0.50	08/08/2014

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

9789275	IP 3437	0.50	08/08/2014
9789281	IP 3437	1.50	08/08/2014
9789287	IP 3437	2.50	08/08/2014
9789295	IP 3437	3.50	08/08/2014
9789245	IP 3462	0.50	08/08/2014
9789250	IP 3462	1.50	08/08/2014
9789257	IP 3462	2.50	08/08/2014
9789263	IP 3462	3.50	08/08/2014
9789269	IP 3462	4.50	08/08/2014
9789081	IP 3464	0.50	08/08/2014
9789226	IP 3464	1.50	08/08/2014
9789291	IP 3464	2.50	08/08/2014
9789345	IP 3464	3.50	08/08/2014
9789402	IP 3464	4.50	08/08/2014
9789208	IP 3465	0.50	08/08/2014
9789212	IP 3465	1.50	08/08/2014
9789216	IP 3465	2.50	08/08/2014
9789220	IP 3465	3.50	08/08/2014
9789236	IP 3465	4.50	08/08/2014
9789452	IP 3468	0.50	08/08/2014
9789503	IP 3468	1.50	08/08/2014
9789557	IP 3468	2.50	08/08/2014
9789617	IP 3468	3.50	08/08/2014
9789241	IP 3468	4.00	08/08/2014
9789085	IP 3468	4.50	08/08/2014
9789139	IP 3469	0.50	08/08/2014
9789188	IP 3469	1.50	08/08/2014
9789196	IP 3469	2.50	08/08/2014
9789200	IP 3469	3.50	08/08/2014
9789204	IP 3469	4.50	08/08/2014
9789442	IP 3685	0.50	08/08/2014
9789480	IP 3687	0.20	08/08/2014
9789484	IP 3687	1.20	08/08/2014
9789489	IP 3687	1.80	08/08/2014
9789492	IP 3687	2.50	08/08/2014
9789499	IP 3687	3.30	08/08/2014
9789507	IP 3687	3.60	08/08/2014
9789471	IP 3688	0.80	08/08/2014
9789475	IP 3688	1.80	08/08/2014
9789447	IP 3689	0.50	08/08/2014
9789456	IP 3689	1.50	08/08/2014
9789461	IP 3689	2.50	08/08/2014
9789467	IP 3689	3.50	08/08/2014
9789423	IP 3690	0.20	08/08/2014
9789428	IP 3690	1.20	08/08/2014
9789433	IP 3690	2.20	08/08/2014
9789437	IP 3690	3.20	08/08/2014
9789511	IP 3705	0.30	08/08/2014
9789515	IP 3705	0.70	08/08/2014
9789522	IP 3705	1.20	08/08/2014
9789528	IP 3705	2.20	08/08/2014
9789532	IP 3705	3.00	08/08/2014
9789537	IP 3706	0.30	08/08/2014
9789541	IP 3706	1.30	08/08/2014
9789546	IP 3706	2.30	08/08/2014
9789551	IP 3706	3.30	08/08/2014
9789563	IP 3707	0.20	08/08/2014
9789568	IP 3707	0.60	08/08/2014
9789573	IP 3707	1.00	08/08/2014

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

9789577	IP 3707	2.00	08/08/2014
9789582	IP 3707	2.70	08/08/2014
9789397	IP 3721	0.20	08/08/2014
9789406	IP 3721	1.00	08/08/2014
9789411	IP 3721	2.00	08/08/2014
9789415	IP 3721	2.50	08/08/2014
9789419	IP 3721	3.00	08/08/2014
9789591	IP 3723	0.30	08/08/2014
9789597	IP 3723	0.80	08/08/2014
9789601	IP 3723	1.20	08/08/2014
9789606	IP 3723	1.70	08/08/2014
9789611	IP 3723	2.70	08/08/2014
9789623	IP 3723	3.70	08/08/2014
9789089	TPE 170	0.50	08/08/2014
9789095	TPE 170	1.50	08/08/2014
9789100	TPE 170	2.50	08/08/2014
9789105	TPE 170	3.50	08/08/2014
9789638	TPE 1013	0.50	08/08/2014
9789642	TPE 1013	1.50	08/08/2014

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

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

SOLID

Results Legend

- X Test
- N No Determination Possible

Test		
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 43
Asbestos Quantification - Full	All	NDPs: 0 Tests: 2
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 134
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 134
GRO by GC-FID (S)	All	NDPs: 0 Tests: 134
Metals in solid samples by OES	All	NDPs: 0 Tests: 134
PAH by GCMS	All	NDPs: 0 Tests: 134
pH	All	NDPs: 0 Tests: 134
Sample description	All	NDPs: 0 Tests: 133
Total Organic Carbon	All	NDPs: 0 Tests: 18
TPH CWG GC (S)	All	NDPs: 0 Tests: 134

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Asbestos fibres in Soil*	Asbestos Quantification - Full	EPH CWG (Aliphatic) GC (S)	EPH CWG (Aromatic) GC (S)	GRO by GC-FID (S)	Metals in solid samples by OES	PAH by GCMS	pH	Sample description	Total Organic Carbon	TPH CWG GC (S)
9789651	IP 001		0.50	250g Amber Jar			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9789656	IP 001		1.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9789661	IP 001		2.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9789666	IP 001		3.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9795727	IP 1		0.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9795733	IP 1		1.10	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9795738	IP 1		2.00	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9795756	IP 2		0.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)	X	X						X			
				60g VOC (ALE215)					X						
9789111	IP 003		0.50	250g Amber Jar			X	X		X	X		X	X	X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9789117	IP 003		1.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9789123	IP 003		2.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9789127	IP 003		3.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)								X			
				60g VOC (ALE215)					X						
9795762	IP 3		0.50	250g Amber Jar			X	X		X	X		X		X
				400g Tub (ALE214)	X							X			
				60g VOC (ALE215)					X						
9795690	IP 3		1.50	250g Amber Jar			X	X		X	X		X		X

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	9795690	9789171	9789176	9789180	9789184	9789192	9789153	9789157	9789161	9789167	9789131	9789135	9789144	9789149
Customer Sample Reference	IP 3	IP 010	IP 010	IP 010	IP 010	IP 010	IP 012	IP 012	IP 012	IP 012	IP 013	IP 013	IP 013	IP 013
AGS Reference														
Depth (m)	1.50	0.50	1.50	2.50	3.50	4.50	0.50	1.50	2.50	3.50	0.50	1.50	2.50	3.50
Container	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 43			X								X											X													
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 134		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: 134		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: 134	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
PAH by GCMS	All	NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
pH	All	NDPs: 0 Tests: 134	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X
Sample description	All	NDPs: 0 Tests: 133		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Total Organic Carbon	All	NDPs: 0 Tests: 18		X						X																											
TPH CWG GC (S)	All	NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			9789149	IP 013		3.50	60g VOC (ALE215)
			9795686	IP 1556		0.50	250g Amber Jar
			9795717	IP 1556		1.50	400g Tub (ALE214)
			9795722	IP 1556		2.50	60g VOC (ALE215)
			9789646	IP 2009		0.50	250g Amber Jar
			9789628	IP 2191		0.50	400g Tub (ALE214)
			9789632	IP 2191		1.50	60g VOC (ALE215)
			9789357	IP 3261		0.50	250g Amber Jar
			9789362	IP 3261		1.00	400g Tub (ALE214)
			9789367	IP 3261		2.00	60g VOC (ALE215)
			9789371	IP 3261		3.00	250g Amber Jar
			9789376	IP 3280		0.50	400g Tub (ALE214)
			9789381	IP 3280		1.50	60g VOC (ALE215)
			9789386	IP 3280		2.50	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 43					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 134					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 134					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 134					
Metals in solid samples by OES	All	NDPs: 0 Tests: 134					
PAH by GCMS	All	NDPs: 0 Tests: 134					
pH	All	NDPs: 0 Tests: 134					
Sample description	All	NDPs: 0 Tests: 133					
Total Organic Carbon	All	NDPs: 0 Tests: 18					
TPH CWG GC (S)	All	NDPs: 0 Tests: 134					

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9789391			9789322			9789329			9789333			9789340			9789351			9795745			9795701			9789299			9789303			9789308			9789313			9789317			9795707
Customer Sample Reference			IP 3280			IP 3313			IP 3313			IP 3313			IP 3313			IP 3313			IP 3322			IP 3324			IP 3331			IP 3331			IP 3331			IP 3331			IP 3331			IP 3369
AGS Reference																																											
Depth (m)			3.50			0.50			1.00			2.00			3.00			4.00			0.50			0.50			0.50			1.50			2.50			3.50			4.50			0.50
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 43					X															X			X			X															
Asbestos Quantification - Full	All	NDPs: 0 Tests: 2																										X															
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 134	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 134	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 134	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 134	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 134		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 133	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 18																			X						X																X
TPH CWG GC (S)	All	NDPs: 0 Tests: 134	X			X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	9795707	9795712	9795695	9789275	9789281	9789287	9789295	9789245	9789250	9789257	9789263	9789269	9789081	9789226	9789291
Customer Sample Reference	IP 3369	IP 3369	IP 3370	IP 3437	IP 3437	IP 3437	IP 3437	IP 3462	IP 3462	IP 3462	IP 3462	IP 3462	IP 3464	IP 3464	IP 3464
AGS Reference															
Depth (m)	0.50	1.50	0.50	0.50	1.50	2.50	3.50	0.50	1.50	2.50	3.50	4.50	0.50	1.50	2.50
Container	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 43	X			X		X						X					X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X		X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X		X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 134	X		X		X		X		X		X		X	X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X		X	X
PAH by GCMS	All	NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X		X	X
pH	All	NDPs: 0 Tests: 134	X		X		X		X		X		X		X		X		X		
Sample description	All	NDPs: 0 Tests: 133		X		X		X		X		X		X		X		X		X	X
Total Organic Carbon	All	NDPs: 0 Tests: 18								X								X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X		X	X

CERTIFICATE OF ANALYSIS

Validated

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9789291		9789345			9789402			9789208			9789212			9789216			9789220			9789236			9789452			9789503			9789557			9789617			9789241			9789085	
Customer Sample Reference			IP 3464		IP 3464			IP 3464			IP 3465			IP 3465			IP 3465			IP 3465			IP 3465			IP 3468			IP 3468			IP 3468			IP 3468			IP 3468			IP 3468	
AGS Reference																																										
Depth (m)			2.50		3.50			4.50			0.50			1.50			2.50			3.50			4.50			0.50			1.50			2.50			3.50			4.00			4.50	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 43										X															X															
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 134		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 134	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 133			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 18																							X																
TPH CWG GC (S)	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	9789085	9789139	9789188	9789196	9789200	9789204	9789442	9789480	9789484	9789489	9789492	9789499	9789507	9789471	9789475
Customer Sample Reference	IP 3468	IP 3469	IP 3469	IP 3469	IP 3469	IP 3469	IP 3685	IP 3687	IP 3687	IP 3687	IP 3687	IP 3687	IP 3687	IP 3688	IP 3688
AGS Reference															
Depth (m)	4.50	0.50	1.50	2.50	3.50	4.50	0.50	0.20	1.20	1.80	2.50	3.30	3.60	0.80	1.80
Container	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos fibres in Soil* — All — NDPs: 0 Tests: 43		X					X	X								X	
EPH CWG (Aliphatic) GC (S) — All — NDPs: 0 Tests: 134	X		X		X		X		X		X		X		X		X
EPH CWG (Aromatic) GC (S) — All — NDPs: 0 Tests: 134	X		X		X		X		X		X		X		X		X
GRO by GC-FID (S) — All — NDPs: 0 Tests: 134	X		X		X		X		X		X		X		X		X
Metals in solid samples by OES — All — NDPs: 0 Tests: 134	X		X		X		X		X		X		X		X		X
PAH by GCMS — All — NDPs: 0 Tests: 134	X		X		X		X		X		X		X		X		X
pH — All — NDPs: 0 Tests: 134		X		X		X		X		X		X		X		X	
Sample description — All — NDPs: 0 Tests: 133	X		X		X		X		X		X		X		X		X
Total Organic Carbon — All — NDPs: 0 Tests: 18	X																
TPH CWG GC (S) — All — NDPs: 0 Tests: 134	X		X		X		X		X		X		X		X		X

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9789475		9789447			9789456			9789461			9789467			9789423			9789428			9789433			9789437			9789511			9789515			9789522			9789528			9789532	
Customer Sample Reference			IP 3688		IP 3689			IP 3689			IP 3689			IP 3689			IP 3690			IP 3690			IP 3690			IP 3690			IP 3705			IP 3705			IP 3705			IP 3705			IP 3705	
AGS Reference																																										
Depth (m)			1.80		0.50			1.50			2.50			3.50			0.20			1.20			2.20			3.20			0.30			0.70			1.20			2.20			3.00	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 43				X												X												X			X									
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 134		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 134	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 133			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 18			X																											X										
TPH CWG GC (S)	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9789532	9789537			9789541			9789546			9789551			9789563			9789568			9789573			9789577			9789582			9789397			9789406			9789411			9789415		
Customer Sample Reference			IP 3705	IP 3706			IP 3706			IP 3706			IP 3706			IP 3707			IP 3707			IP 3707			IP 3707			IP 3707			IP 3721			IP 3721			IP 3721			IP 3721		
AGS Reference																																										
Depth (m)			3.00	0.30			1.30			2.30			3.30			0.20			0.60			1.00			2.00			2.70			0.20			1.00			2.00			2.50		
Container			60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos fibres in Soil*	All	NDPs: 0 Tests: 43			X												X			X			X										X			X						
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 134		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 134		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 134	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 134		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 134		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 134			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 133		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 18																X												X												
TPH CWG GC (S)	All	NDPs: 0 Tests: 134		X			X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	9789419	9789591	9789597	9789601	9789606	9789611	9789623	9789089	9789095	9789100	9789105	9789638	9789642
Customer Sample Reference	IP 3721	IP 3723	IP 3723	IP 3723	IP 3723	IP 3723	IP 3723	TPE 170	TPE 170	TPE 170	TPE 170	TPE 1013	TPE 1013
AGS Reference													
Depth (m)	3.00	0.30	0.80	1.20	1.70	2.70	3.70	0.50	1.50	2.50	3.50	0.50	1.50
Container	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)	250g Amber Jar / 400g Tub (ALE214) / 60g VOC (ALE215)
Asbestos fibres in Soil* — All — NDPs: 0 Tests: 43		X	X					X				X	
EPH CWG (Aliphatic) GC (S) — All — NDPs: 0 Tests: 134	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S) — All — NDPs: 0 Tests: 134	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S) — All — NDPs: 0 Tests: 134	X	X	X	X	X	X	X	X	X	X	X	X	X
Metals in solid samples by OES — All — NDPs: 0 Tests: 134	X	X	X	X	X	X	X	X	X	X	X	X	X
PAH by GCMS — All — NDPs: 0 Tests: 134	X	X	X	X	X	X	X	X	X	X	X	X	X
pH — All — NDPs: 0 Tests: 134	X	X	X	X	X	X	X	X	X	X	X	X	X
Sample description — All — NDPs: 0 Tests: 133	X	X	X	X	X	X	X	X	X	X	X	X	X
TPH CWG GC (S) — All — NDPs: 0 Tests: 134	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

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
9789651	IP 001	0.50	Grey	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9789656	IP 001	1.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789661	IP 001	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789666	IP 001	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9795727	IP 1	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9795733	IP 1	1.10	Black	Chalk	0.063 - 0.1 mm	None	None
9795738	IP 1	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9795756	IP 2	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9789111	IP 003	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789117	IP 003	1.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9789123	IP 003	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9789127	IP 003	3.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9795690	IP 3	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
9795762	IP 3	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9789171	IP 010	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9789176	IP 010	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789180	IP 010	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789184	IP 010	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789192	IP 010	4.50	Grey	Sandy Loam	0.1 - 2 mm	Stones	None
9789153	IP 012	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789157	IP 012	1.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789161	IP 012	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9789167	IP 012	3.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9789131	IP 013	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789135	IP 013	1.50	Light Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9789144	IP 013	2.50	Light Brown	Sandy Loam	0.063 - 0.1 mm	Stones	Vegetation
9789149	IP 013	3.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9795686	IP 1556	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9795717	IP 1556	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Vegetation
9795722	IP 1556	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789646	IP 2009	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789628	IP 2191	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9789632	IP 2191	1.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Vegetation	Stones
9789357	IP 3261	0.50	Black	Gravel	2 - 10 mm	Stones	Fibres
9789362	IP 3261	1.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9789367	IP 3261	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789371	IP 3261	3.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789376	IP 3280	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

			Colour	Description	Grain size	Inclusions	Inclusions 2
9789381	IP 3280	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789386	IP 3280	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789391	IP 3280	3.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789322	IP 3313	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789329	IP 3313	1.00	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9789333	IP 3313	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789340	IP 3313	3.00	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9789351	IP 3313	4.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9795745	IP 3322	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9795701	IP 3324	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789299	IP 3331	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Fibres	Stones
9789303	IP 3331	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9789308	IP 3331	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789313	IP 3331	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789317	IP 3331	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9795707	IP 3369	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9795712	IP 3369	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9795695	IP 3370	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9789275	IP 3437	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789281	IP 3437	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9789287	IP 3437	2.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9789295	IP 3437	3.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
9789245	IP 3462	0.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9789250	IP 3462	1.50	Dark Brown	Silt Loam	<0.063 mm	Stones	Vegetation
9789257	IP 3462	2.50	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
9789263	IP 3462	3.50	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
9789269	IP 3462	4.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789081	IP 3464	0.50	Light Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9789226	IP 3464	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789291	IP 3464	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9789345	IP 3464	3.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9789402	IP 3464	4.50	Dark Brown	Sandy Loam	2 - 10 mm	Stones	None
9789208	IP 3465	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789212	IP 3465	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9789216	IP 3465	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
9789220	IP 3465	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789236	IP 3465	4.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9789085	IP 3468	4.50	Black	Loamy Sand	0.1 - 2 mm	Stones	None
9789241	IP 3468	4.00	Black	Loamy Sand	0.1 - 2 mm	Stones	N/A
9789452	IP 3468	0.50	Orange	Sand	0.1 - 2 mm	Stones	N/A
9789503	IP 3468	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

			Colour	Description	Grain size	Inclusions	Inclusions 2
9789557	IP 3468	2.50	Dark Brown	Sandy Loam	2 - 10 mm	Stones	None
9789617	IP 3468	3.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	None
9789139	IP 3469	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789188	IP 3469	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9789196	IP 3469	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
9789200	IP 3469	3.50	Dark Brown	Stone/Soil	2 - 10 mm	N/A	N/A
9789204	IP 3469	4.50	Dark Brown	Stone/Soil	2 - 10 mm	Stones	N/A
9789442	IP 3685	0.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9789480	IP 3687	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9789484	IP 3687	1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789489	IP 3687	1.80	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
9789492	IP 3687	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789499	IP 3687	3.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789507	IP 3687	3.60	Orange	Silty Clay Loam	<0.063 mm	Stones	N/A
9789471	IP 3688	0.80	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9789475	IP 3688	1.80	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9789447	IP 3689	0.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9789456	IP 3689	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9789461	IP 3689	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9789467	IP 3689	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789423	IP 3690	0.20	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9789428	IP 3690	1.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789433	IP 3690	2.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789437	IP 3690	3.20	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9789511	IP 3705	0.30	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9789515	IP 3705	0.70	Dark Brown	Stone/Soil	2 - 10 mm	Stones	Vegetation
9789522	IP 3705	1.20	Light Brown	Loamy Sand	0.063 - 0.1 mm	Vegetation	Stones
9789528	IP 3705	2.20	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9789532	IP 3705	3.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789537	IP 3706	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789541	IP 3706	1.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9789546	IP 3706	2.30	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9789551	IP 3706	3.30	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9789563	IP 3707	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9789568	IP 3707	0.60	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9789573	IP 3707	1.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9789577	IP 3707	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789582	IP 3707	2.70	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9789397	IP 3721	0.20	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
9789406	IP 3721	1.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
9789411	IP 3721	2.00	Light Brown	Loamy Sand	<0.063 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

			Colour	Description	Grain size	Inclusions	Inclusions 2
9789415	IP 3721	2.50	Light Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
9789419	IP 3721	3.00	Grey	Sand	0.063 - 0.1 mm	Stones	N/A
9789591	IP 3723	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789597	IP 3723	0.80	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9789601	IP 3723	1.20	Light Brown	Loamy Sand	<0.063 mm	Stones	N/A
9789606	IP 3723	1.70	Light Brown	Silty Clay Loam	<0.063 mm	Stones	Vegetation
9789611	IP 3723	2.70	Light Brown	Sand	0.063 - 0.1 mm	Oil/Petroleum	Stones
9789623	IP 3723	3.70	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9789089	TPE 170	0.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9789095	TPE 170	1.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	N/A
9789100	TPE 170	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789105	TPE 170	3.50	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
9789638	TPE 1013	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9789642	TPE 1013	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 001	IP 001	IP 001	IP 001	IP 1	IP 1
			Depth (m)	0.50	1.50	2.50	3.50	0.50	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789651	9789656	9789661	9789666	9795727	9795733
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.8	12	11	9.7	8.6	11
Actinolite*	-	SUB (ASB)		Not Detected #				Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #				Not Detected #	
Chrysotile*	-	SUB (ASB)		Not Detected #				Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #				Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #				Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132		1.93 #					
pH	1 pH Units	TM133		6.56 M	6.34 M	6.86 M	6.57 M	7.22 M	5.18 #
Arsenic	<0.6 mg/kg	TM181		9.09 M	20.3 M	15.5 M	14.6 M	19.9 M	<0.6 #
Cadmium	<0.02 mg/kg	TM181		0.6 M	0.646 M	0.603 M	0.563 M	0.689 M	<0.02 #
Chromium	<0.9 mg/kg	TM181		13.4 M	14.7 M	13.2 M	12.9 M	16.4 M	<0.9 #
Copper	<1.4 mg/kg	TM181		18.6 M	44.1 M	30.7 M	28.8 M	48.9 M	<1.4 #
Lead	<0.7 mg/kg	TM181		14.9 M	25.3 M	34.4 M	23.2 M	41.8 M	<0.7 #
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		27.4 M	20.6 M	23.5 M	25.5 M	22.3 M	2.16 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.7 #	17 #	15.5 #	14.1 #	20.7 #	27.3 #
Zinc	<1.9 mg/kg	TM181		77.1 M	83.4 M	102 M	86.6 M	189 M	20.1 #

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 1	IP 2	IP 003	IP 003	IP 003	IP 003
			Depth (m)	2.00	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795738	9795756	9789111	9789117	9789123	9789127
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	11	12	19	11	16
Actinolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Amosite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Chrysotile*	-	SUB (ASB)			Detected #	Not Detected #			
Crocidolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Tremolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Soil Organic Matter (SOM)	<0.35 %	TM132				1.98 #			
pH	1 pH Units	TM133		6.73 M	8.22 M	7.38 M	5.96 M	5.97 M	6.38 M
Arsenic	<0.6 mg/kg	TM181		8.07 M	17 M	19.4 M	11.9 M	11.4 M	21.4 M
Cadmium	<0.02 mg/kg	TM181		0.185 M	0.725 M	0.988 M	0.798 M	0.679 M	0.837 M
Chromium	<0.9 mg/kg	TM181		11.3 M	62.2 M	16.9 M	12.8 M	12.4 M	11.6 M
Copper	<1.4 mg/kg	TM181		9.43 M	38.7 M	41 M	23.5 M	24 M	29.5 M
Lead	<0.7 mg/kg	TM181		11.1 M	40 M	206 M	19.5 M	23.1 M	33.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.3 M	19.9 M	20.5 M	12.5 M	22.4 M	19.3 M
Selenium	<1 mg/kg	TM181		<1 #	1.44 #	<10 #	<10 #	<10 #	<10 #
Vanadium	<0.2 mg/kg	TM181		10.9 #	28.2 #	18.7 #	15.6 #	14.5 #	15.5 #
Zinc	<1.9 mg/kg	TM181		54.6 M	189 M	131 M	66.7 M	77.7 M	78.9 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3	IP 3	IP 010	IP 010	IP 010	IP 010
			Depth (m)	0.50	1.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795762	9795690	9789171	9789176	9789180	9789184
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	15	11	17	50	35
Actinolite*	-	SUB (ASB)		Not Detected #		Not Detected #			
Amosite*	-	SUB (ASB)		Not Detected #		Not Detected #			
Chrysotile*	-	SUB (ASB)		Not Detected #		Not Detected #			
Crocidolite*	-	SUB (ASB)		Not Detected #		Not Detected #			
Tremolite*	-	SUB (ASB)		Not Detected #		Not Detected #			
Soil Organic Matter (SOM)	<0.35 %	TM132				3.26 #			
pH	1 pH Units	TM133		8.54 M	6.57 M	8.3 M	6.76 M	6.47 M	7.29 M
Arsenic	<0.6 mg/kg	TM181		11.8 M	14.2 M	29 M	22.4 M	2.31 M	6.36 M
Cadmium	<0.02 mg/kg	TM181		1.21 M	0.496 M	0.949 M	0.724 M	1.23 M	0.994 M
Chromium	<0.9 mg/kg	TM181		109 M	106 M	15.8 M	11.5 M	13 M	11.1 M
Copper	<1.4 mg/kg	TM181		41.6 M	31.3 M	63.3 M	58 M	28.8 M	34.2 M
Lead	<0.7 mg/kg	TM181		96.8 M	31.1 M	39.4 M	49 M	19.5 M	23 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		17.5 M	17 M	22.2 M	19 M	8.69 M	11.8 M
Selenium	<1 mg/kg	TM181		3.82 #	<1 #	<1 #	<1 #	1.1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		38 #	38.1 #	21.5 #	13.8 #	12.5 #	10.1 #
Zinc	<1.9 mg/kg	TM181		384 M	117 M	123 M	77 M	68.3 M	69.7 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 010	IP 012	IP 012	IP 012	IP 012	IP 013
			Depth (m)	4.50	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789192	9789153	9789157	9789161	9789167	9789131
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		7	12	17	5	7.1	11
Actinolite*	-	SUB (ASB)			Not Detected #				Not Detected #
Amosite*	-	SUB (ASB)			Not Detected #				Not Detected #
Chrysotile*	-	SUB (ASB)			Not Detected #				Not Detected #
Crocidolite*	-	SUB (ASB)			Not Detected #				Not Detected #
Tremolite*	-	SUB (ASB)			Not Detected #				Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132			2.67 #				
pH	1 pH Units	TM133		5.4 M	7.32 M	5.79 M	7.17 M	7.1 M	7.57 M
Arsenic	<0.6 mg/kg	TM181		15.6 M	32.8 M	11.5 M	7.9 M	13 M	27 M
Cadmium	<0.02 mg/kg	TM181		0.541 M	0.68 M	0.399 M	0.333 M	0.771 M	0.293 M
Chromium	<0.9 mg/kg	TM181		12.1 M	15.7 M	15.8 M	12.3 M	14.1 M	14.6 M
Copper	<1.4 mg/kg	TM181		15.6 M	123 M	11.5 M	11.9 M	14.2 M	47.2 M
Lead	<0.7 mg/kg	TM181		12.4 M	40.5 M	14.2 M	11.2 M	18.3 M	32 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.7 M	23.6 M	10.9 M	22.3 M	25.9 M	21 M
Selenium	<1 mg/kg	TM181		<1 #	1.2 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.9 #	20.4 #	23.6 #	13.9 #	18.3 #	18.6 #
Zinc	<1.9 mg/kg	TM181		70.5 M	126 M	85.2 M	54.7 M	70.7 M	92.6 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 013	IP 013	IP 013	IP 1556	IP 1556	IP 1556
			Depth (m)	1.50	2.50	3.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789135	9789144	9789149	9795686	9795717	9795722
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.8	12	13	9.2	14	12
Actinolite*	-	SUB (ASB)					Not Detected #		
Amosite*	-	SUB (ASB)					Not Detected #		
Chrysotile*	-	SUB (ASB)					Not Detected #		
Crocidolite*	-	SUB (ASB)					Not Detected #		
Tremolite*	-	SUB (ASB)					Not Detected #		
Soil Organic Matter (SOM)	<0.35 %	TM132					2.65 #		
pH	1 pH Units	TM133		6.01 M	5.9 M	7.61 M	7.75 M	6.9 M	6.46 M
Arsenic	<0.6 mg/kg	TM181		24.4 M	20.8 M	23.5 M	14.9 M	61.6 M	9.32 M
Cadmium	<0.02 mg/kg	TM181		0.766 M	0.892 M	0.825 M	0.575 M	2.12 M	0.263 M
Chromium	<0.9 mg/kg	TM181		27 M	14.8 M	14.6 M	13.6 M	16.5 M	10.2 M
Copper	<1.4 mg/kg	TM181		35 M	48.2 M	56.4 M	28.6 M	125 M	10.6 M
Lead	<0.7 mg/kg	TM181		26.8 M	43.1 M	48.1 M	51.7 M	77.9 M	13.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		38.7 M	18.5 M	22.1 M	22.9 M	24.1 M	19.2 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		35.3 #	16.9 #	17.6 #	17.5 #	84.1 #	12.4 #
Zinc	<1.9 mg/kg	TM181		151 M	130 M	135 M	189 M	282 M	52.5 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 2009	IP 2191	IP 2191	IP 3261	IP 3261	IP 3261
			Depth (m)	0.50	0.50	1.50	0.50	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789646	9789628	9789632	9789357	9789362	9789367
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		24	19	23	19	11	10
Actinolite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	
Chrysotile*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #	Not Detected #		Not Detected #	Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132			5.81 #		47.1 #		
pH	1 pH Units	TM133		7.67 M	6.51 M	5.81 M	7.98 M	7.45 M	7.26 M
Arsenic	<0.6 mg/kg	TM181		16.8 M	48.4 M	7.32 M	32.3 M	9.08 M	8.03 M
Cadmium	<0.02 mg/kg	TM181		0.397 M	0.95 M	0.368 M	0.571 M	<0.02 M	0.237 M
Chromium	<0.9 mg/kg	TM181		8.3 M	14.9 M	13.1 M	12.7 M	11.5 M	10.8 M
Copper	<1.4 mg/kg	TM181		39.7 M	94 M	18.5 M	123 M	10.7 M	10.2 M
Lead	<0.7 mg/kg	TM181		60.3 M	89.2 M	16.2 M	92.4 M	12.7 M	11.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		9.45 M	31 M	14.4 M	49.9 M	23.3 M	21 M
Selenium	<1 mg/kg	TM181		1.23 #	<1 #	<1 #	2.15 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.8 #	17.8 #	15.1 #	28.2 #	12 #	11.1 #
Zinc	<1.9 mg/kg	TM181		165 M	148 M	54.2 M	171 M	60.5 M	52.8 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3261	IP 3280	IP 3280	IP 3280	IP 3280	IP 3313
			Depth (m)	3.00	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789371	9789376	9789381	9789386	9789391	9789322
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	12	9.3	11	11	16
Actinolite*	-	SUB (ASB)			Not Detected #				Not Detected #
Amosite*	-	SUB (ASB)			Not Detected #				Not Detected #
Chrysotile*	-	SUB (ASB)			Not Detected #				Not Detected #
Crocidolite*	-	SUB (ASB)			Not Detected #				Not Detected #
Tremolite*	-	SUB (ASB)			Not Detected #				Not Detected #
pH	1 pH Units	TM133		7.01 M	8.29 M	7.29 M	7.57 M	7.25 M	8.14 M
Arsenic	<0.6 mg/kg	TM181		7.84 M	30.2 M	8.32 M	8.25 M	7.77 M	25.7 M
Cadmium	<0.02 mg/kg	TM181		0.217 M	0.888 M	0.177 M	0.29 M	0.243 M	0.897 M
Chromium	<0.9 mg/kg	TM181		11.2 M	18.8 M	11.6 M	10.3 M	10 M	20.7 M
Copper	<1.4 mg/kg	TM181		11 M	71.8 M	12.1 M	11.8 M	12.9 M	62.9 M
Lead	<0.7 mg/kg	TM181		13.4 M	364 M	14.2 M	12 M	12.1 M	372 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.8 M	34.4 M	20.4 M	22.4 M	22.7 M	29.4 M
Selenium	<1 mg/kg	TM181		<1 #	1.02 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13 #	23 #	13.6 #	12 #	11.8 #	21.6 #
Zinc	<1.9 mg/kg	TM181		56.4 M	228 M	53.1 M	57 M	55.7 M	332 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3313	IP 3313	IP 3313	IP 3313	IP 3322	IP 3324
			Depth (m)	1.00	2.00	3.00	4.00	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789329	9789333	9789340	9789351	9795745	9795701
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		13	10	11	10	11	13
Actinolite*	-	SUB (ASB)						Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)						Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)						Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)						Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)						Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132						6.07 #	
pH	1 pH Units	TM133		7.67 M	6.94 M	7.33 #	6.49 M	7.09 M	7.98 M
Arsenic	<0.6 mg/kg	TM181		15.1 M	8.37 M	8.08 #	7.48 M	17.3 M	22.8 M
Cadmium	<0.02 mg/kg	TM181		0.265 M	0.23 M	0.34 #	0.185 M	0.786 M	1 M
Chromium	<0.9 mg/kg	TM181		16.7 M	11.6 M	11.9 #	10.9 M	13.4 M	13.2 M
Copper	<1.4 mg/kg	TM181		13.2 M	16 M	14.4 #	10.3 M	41 M	45.4 M
Lead	<0.7 mg/kg	TM181		17.8 M	42.9 M	13.4 #	10.9 M	114 M	112 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 #	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		17.5 M	20.9 M	25.6 #	23.5 M	23.6 M	19.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		23.7 #	13.9 #	12.1 #	12.8 #	25.6 #	24.9 #
Zinc	<1.9 mg/kg	TM181		53.7 M	81 M	67.7 #	52.6 M	224 M	237 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3331	IP 3331	IP 3331	IP 3331	IP 3331	IP 3369
			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	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789299	9789303	9789308	9789313	9789317	9795707
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		6.7	13	10	10	10	12
Actinolite*	-	SUB (ASB)		Not Detected #					Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #					Not Detected #
Chrysotile*	-	SUB (ASB)		Detected #					Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #					Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #					Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132		4.5 #					0.896 #
pH	1 pH Units	TM133		8.29 M	7.11 M	7.84 M	6.99 M	7.22 M	6.76 M
Arsenic	<0.6 mg/kg	TM181		41.3 M	11.4 M	7.34 M	8 M	8.04 M	10.6 M
Cadmium	<0.02 mg/kg	TM181		0.954 M	1.29 M	0.142 M	0.228 M	0.337 M	0.565 M
Chromium	<0.9 mg/kg	TM181		16.6 M	16.9 M	11.7 M	11.8 M	11.7 M	17.6 M
Copper	<1.4 mg/kg	TM181		69.1 M	17 M	10.7 M	14.1 M	15.5 M	16.1 M
Lead	<0.7 mg/kg	TM181		290 M	13.1 M	11.5 M	12.7 M	12.5 M	16.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.2 M	20.3 M	23.2 M	25.8 M	25.1 M	24.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20 #	20.2 #	12 #	14 #	12.5 #	20 #
Zinc	<1.9 mg/kg	TM181		268 M	158 M	58.6 M	64.6 M	64.2 M	180 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3369	IP 3370	IP 3437	IP 3437	IP 3437	IP 3437
			Depth (m)	1.50	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795712	9795695	9789275	9789281	9789287	9789295
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.8	9.1	20	11	6.6	6.3
Actinolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Amosite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Chrysotile*	-	SUB (ASB)			Not Detected #	Not Detected #			
Crocidolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Tremolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
pH	1 pH Units	TM133		7.51 M	8.46 M	7.24 M	6.33 M	5.64 M	6.58 M
Arsenic	<0.6 mg/kg	TM181		7.92 M	28.7 M	29 M	23.1 M	11 M	65.5 M
Cadmium	<0.02 mg/kg	TM181		0.274 M	1.23 M	1.27 M	2.13 M	0.171 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		11.1 M	44.3 M	18.1 M	25.5 M	22.3 M	23.5 M
Copper	<1.4 mg/kg	TM181		10.8 M	70 M	56.7 M	62.5 M	32.8 M	28.9 M
Lead	<0.7 mg/kg	TM181		11.1 M	368 M	246 M	66.3 M	25.8 M	21.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.4 M	26.6 M	26.9 M	43 M	45.9 M	44.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.36 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.5 #	63.6 #	21.6 #	24.7 #	21.6 #	27.8 #
Zinc	<1.9 mg/kg	TM181		61.3 M	376 M	206 M	309 M	109 M	96.3 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3462	IP 3462	IP 3462	IP 3462	IP 3462	IP 3464
			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	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789245	9789250	9789257	9789263	9789269	9789081
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	14	12	13	12	14
Actinolite*	-	SUB (ASB)		Not Detected #					Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #					Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #					Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #					Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #					Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132		3.19 #					4.07 #
pH	1 pH Units	TM133		6.37 M	6.68 M	7.93 M	6.55 M	5.87 M	6.46 M
Arsenic	<0.6 mg/kg	TM181		27.1 M	14.2 M	11.1 M	8.01 M	12.8 M	24.1 M
Cadmium	<0.02 mg/kg	TM181		0.892 M	0.44 M	0.394 M	0.332 M	0.322 M	1.37 M
Chromium	<0.9 mg/kg	TM181		16.6 M	10.6 M	13.5 M	21.8 M	21.3 M	18.3 M
Copper	<1.4 mg/kg	TM181		50.9 M	4.84 M	19.1 M	55.4 M	58.6 M	28.8 M
Lead	<0.7 mg/kg	TM181		38.5 M	12.5 M	24.9 M	33.4 M	29.4 M	21.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	1.67 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.3 M	23.8 M	21.2 M	41.3 M	51.1 M	28.4 M
Selenium	<1 mg/kg	TM181		1.1 #	<1 #	<1 #	<1 #	<1 #	1.33 #
Vanadium	<0.2 mg/kg	TM181		21.7 #	14.3 #	15.9 #	29.6 #	26.1 #	22.9 #
Zinc	<1.9 mg/kg	TM181		137 M	73.3 M	83.8 M	72.8 M	108 M	199 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3464	IP 3464	IP 3464	IP 3464	IP 3465	IP 3465
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789226	9789291	9789345	9789402	9789208	9789212
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	10	9.4	12	13	11
Actinolite*	-	SUB (ASB)						Not Detected #	
Amosite*	-	SUB (ASB)						Not Detected #	
Chrysotile*	-	SUB (ASB)						Not Detected #	
Crocidolite*	-	SUB (ASB)						Not Detected #	
Tremolite*	-	SUB (ASB)						Not Detected #	
pH	1 pH Units	TM133		6.23 M	5.14 M	6.3 #	5.74 M	6.83 M	5.72 M
Arsenic	<0.6 mg/kg	TM181		32.5 M	11.6 M	4.26 #	25.1 M	24.9 M	12.5 M
Cadmium	<0.02 mg/kg	TM181		0.871 M	0.442 M	0.326 #	0.573 M	0.739 M	0.268 M
Chromium	<0.9 mg/kg	TM181		15.4 M	18.6 M	22 #	22 M	15.7 M	15.3 M
Copper	<1.4 mg/kg	TM181		58.5 M	26.4 M	37.6 #	53 M	54.5 M	20.2 M
Lead	<0.7 mg/kg	TM181		36.6 M	16.1 M	28.8 #	37.3 M	46.3 M	19.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 #	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.4 M	36.7 M	43.2 #	39.5 M	31.2 M	24.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.5 #	18.8 #	23.4 #	32.3 #	22.6 #	17.4 #
Zinc	<1.9 mg/kg	TM181		125 M	120 M	83.1 #	72.3 M	142 M	81.2 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3465	IP 3465	IP 3465	IP 3468	IP 3468	IP 3468
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789216	9789220	9789236	9789452	9789503	9789557
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	14	8.5	11	8.9	9.3
Actinolite*	-	SUB (ASB)					Not Detected #		
Amosite*	-	SUB (ASB)					Not Detected #		
Chrysotile*	-	SUB (ASB)					Not Detected #		
Crocidolite*	-	SUB (ASB)					Not Detected #		
Tremolite*	-	SUB (ASB)					Not Detected #		
Soil Organic Matter (SOM)	<0.35 %	TM132					1.67 #		
pH	1 pH Units	TM133		5.86 M	6.82 M	6.04 M	6.55 M	7.01 M	6.67 M
Arsenic	<0.6 mg/kg	TM181		9.26 M	9.4 M	7.76 M	15 M	10.4 M	8.77 M
Cadmium	<0.02 mg/kg	TM181		0.211 M	0.325 M	0.248 M	0.723 M	0.487 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		14 M	24.6 M	20.2 M	13.1 M	21.3 M	23.4 M
Copper	<1.4 mg/kg	TM181		15.6 M	50.3 M	55.5 M	21.2 M	26.9 M	30.5 M
Lead	<0.7 mg/kg	TM181		15.4 M	32.4 M	25.8 M	15.3 M	27.2 M	19.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.5 M	46.6 M	59.7 M	15.4 M	43.2 M	44.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.6 #	33.1 #	20.8 #	17.8 #	20.8 #	25.4 #
Zinc	<1.9 mg/kg	TM181		71.8 M	88 M	84.8 M	114 M	99.7 M	99.9 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3468	IP 3468	IP 3468	IP 3469	IP 3469	IP 3469
			Depth (m)	3.50	4.00	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789617	9789241	9789085	9789139	9789188	9789196
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		6	18	4.2	8.3	8.6	10
Actinolite*	-	SUB (ASB)					Not Detected #		
Amosite*	-	SUB (ASB)					Not Detected #		
Chrysotile*	-	SUB (ASB)					Not Detected #		
Crocidolite*	-	SUB (ASB)					Not Detected #		
Tremolite*	-	SUB (ASB)					Not Detected #		
Soil Organic Matter (SOM)	<0.35 %	TM132					3.79 #		
pH	1 pH Units	TM133		6.33 #	6.8 M	5.42 M	5.61 M	6.25 M	7.24 M
Arsenic	<0.6 mg/kg	TM181		2.38 #	32.6 M	19.2 M	31.1 M	22.4 M	13.5 M
Cadmium	<0.02 mg/kg	TM181		0.252 #	0.582 M	0.156 M	2.47 M	0.0551 M	0.297 M
Chromium	<0.9 mg/kg	TM181		22.3 #	18.4 M	16.1 M	16 M	22.1 M	21.9 M
Copper	<1.4 mg/kg	TM181		34.9 #	71.7 M	68.5 M	55.3 M	28.8 M	31.3 M
Lead	<0.7 mg/kg	TM181		21.3 #	66 M	33.9 M	38 M	21.4 M	20.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	0.282 M	0.182 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		52.9 #	46.1 M	51.3 M	24.5 M	39.3 M	45.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.72 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.9 #	36.6 #	23.4 #	21 #	24.4 #	22.1 #
Zinc	<1.9 mg/kg	TM181		100 #	60.8 M	83.3 M	202 M	91.5 M	111 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3469	IP 3469	IP 3685	IP 3687	IP 3687	IP 3687
			Depth (m)	3.50	4.50	0.50	0.20	1.20	1.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789200	9789204	9789442	9789480	9789484	9789489
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		7.4	8	5.3	6.9	12	14
Actinolite*	-	SUB (ASB)				Not Detected #	Not Detected #		
Amosite*	-	SUB (ASB)				Not Detected #	Not Detected #		
Chrysotile*	-	SUB (ASB)				Not Detected #	Not Detected #		
Crocidolite*	-	SUB (ASB)				Not Detected #	Not Detected #		
Tremolite*	-	SUB (ASB)				Not Detected #	Not Detected #		
pH	1 pH Units	TM133		6.78 #	6.54 #	6.71 M	6.46 M	6.07 M	6.63 M
Arsenic	<0.6 mg/kg	TM181		5.07 #	5.63 #	11.3 M	12.6 M	24.5 M	10.8 M
Cadmium	<0.02 mg/kg	TM181		0.102 #	0.181 #	0.314 M	0.326 M	0.916 M	0.422 M
Chromium	<0.9 mg/kg	TM181		22.6 #	20.9 #	14 M	13 M	17.5 M	14.4 M
Copper	<1.4 mg/kg	TM181		31.7 #	37.2 #	18.2 M	20.5 M	77.3 M	15.5 M
Lead	<0.7 mg/kg	TM181		22.9 #	27.9 #	57.7 M	17.1 M	77.5 M	16.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 #	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		53.8 #	47.5 #	23.4 M	23.4 M	32.3 M	16.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	1.77 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.3 #	24 #	14.5 #	16.5 #	21.7 #	20.8 #
Zinc	<1.9 mg/kg	TM181		99.1 #	102 #	120 M	80.3 M	368 M	167 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3687	IP 3687	IP 3687	IP 3688	IP 3688	IP 3689
			Depth (m)	2.50	3.30	3.60	0.80	1.80	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789492	9789499	9789507	9789471	9789475	9789447
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.1	8.8	17	8.6	9.3	11
Actinolite*	-	SUB (ASB)					Not Detected #		Not Detected #
Amosite*	-	SUB (ASB)					Not Detected #		Not Detected #
Chrysotile*	-	SUB (ASB)					Not Detected #		Not Detected #
Crocidolite*	-	SUB (ASB)					Not Detected #		Not Detected #
Tremolite*	-	SUB (ASB)					Not Detected #		Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132							1.08 #
pH	1 pH Units	TM133		6.78 M	7.14 M	6.64 M	6.7 M	6.3 M	6.55 M
Arsenic	<0.6 mg/kg	TM181		8.21 M	7.16 M	11.4 M	21.2 M	16.8 M	31.9 M
Cadmium	<0.02 mg/kg	TM181		0.257 M	0.153 M	0.66 M	0.894 M	1.62 M	0.61 M
Chromium	<0.9 mg/kg	TM181		12.3 M	11.3 M	16.1 M	13.9 M	19.7 M	14.5 M
Copper	<1.4 mg/kg	TM181		13.2 M	10.6 M	8.31 M	41.2 M	52.8 M	63.6 M
Lead	<0.7 mg/kg	TM181		12.4 M	9.98 M	12.8 M	35.9 M	91.9 M	41.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.3 M	22.3 M	19.1 M	24.5 M	45.8 M	20.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<10 #	1.45 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.9 #	12.7 #	23 #	17.2 #	17 #	18.8 #
Zinc	<1.9 mg/kg	TM181		61.9 M	54.4 M	179 M	115 M	575 M	119 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3689	IP 3689	IP 3689	IP 3690	IP 3690	IP 3690
			Depth (m)	1.50	2.50	3.50	0.20	1.20	2.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789456	9789461	9789467	9789423	9789428	9789433
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	8	8.8	10	7.2	9.5
Actinolite*	-	SUB (ASB)					Not Detected #		
Amosite*	-	SUB (ASB)					Not Detected #		
Chrysotile*	-	SUB (ASB)					Not Detected #		
Crocidolite*	-	SUB (ASB)					Not Detected #		
Tremolite*	-	SUB (ASB)					Not Detected #		
pH	1 pH Units	TM133		7.18 M	6.57 M	6.53 M	6.34 M	6.5 M	7 M
Arsenic	<0.6 mg/kg	TM181		8.92 M	7.8 M	25.9 M	16.8 M	7.3 M	8.13 M
Cadmium	<0.02 mg/kg	TM181		0.155 M	0.162 M	0.502 M	0.907 M	0.332 M	0.21 M
Chromium	<0.9 mg/kg	TM181		11.9 M	10 M	10.1 M	13.3 M	12.9 M	10.9 M
Copper	<1.4 mg/kg	TM181		13.7 M	12.3 M	16.3 M	33 M	12.1 M	10 M
Lead	<0.7 mg/kg	TM181		12.5 M	11.3 M	15.3 M	61.9 M	11.2 M	13.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23 M	20.7 M	46.9 M	23.4 M	26.9 M	20.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.76 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.6 #	11.8 #	20.1 #	15.1 #	13.1 #	12 #
Zinc	<1.9 mg/kg	TM181		61.7 M	57.7 M	90.2 M	121 M	75.3 M	56.2 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3690	IP 3705	IP 3705	IP 3705	IP 3705	IP 3705
			Depth (m)	3.20	0.30	0.70	1.20	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789437	9789511	9789515	9789522	9789528	9789532
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	7.7	3.8	11	9.4	11
Actinolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Amosite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Chrysotile*	-	SUB (ASB)			Not Detected #	Not Detected #			
Crocidolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Tremolite*	-	SUB (ASB)			Not Detected #	Not Detected #			
Soil Organic Matter (SOM)	<0.35 %	TM132				0.71 #			
pH	1 pH Units	TM133		6.88 M	6.45 M	6.51 #	6.9 M	5.21 M	6.25 M
Arsenic	<0.6 mg/kg	TM181		11.3 M	13.7 M	9.49 #	8.64 M	8.13 M	7.05 M
Cadmium	<0.02 mg/kg	TM181		0.464 M	0.526 M	0.387 #	0.0229 M	0.19 M	0.0823 M
Chromium	<0.9 mg/kg	TM181		15.2 M	12.6 M	14.7 #	14.7 M	11.5 M	10.6 M
Copper	<1.4 mg/kg	TM181		28.2 M	23.6 M	38.6 #	38.7 M	14.5 M	11.7 M
Lead	<0.7 mg/kg	TM181		21.7 M	25.2 M	40 #	18.5 M	13.5 M	10.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 #	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		41.6 M	22.1 M	26 #	27.7 M	24.2 M	21.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.5 #	13.5 #	12.7 #	15.3 #	13.4 #	12.2 #
Zinc	<1.9 mg/kg	TM181		93.7 M	94.6 M	162 #	101 M	71.3 M	54.5 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3706	IP 3706	IP 3706	IP 3706	IP 3707	IP 3707
			Depth (m)	0.30	1.30	2.30	3.30	0.20	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789537	9789541	9789546	9789551	9789563	9789568
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	18	8.5	10	12	8.3
Actinolite*	-	SUB (ASB)		Not Detected #				Not Detected #	Not Detected #
Amosite*	-	SUB (ASB)		Not Detected #				Not Detected #	Not Detected #
Chrysotile*	-	SUB (ASB)		Not Detected #				Not Detected #	Not Detected #
Crocidolite*	-	SUB (ASB)		Not Detected #				Not Detected #	Not Detected #
Tremolite*	-	SUB (ASB)		Not Detected #				Not Detected #	Not Detected #
Soil Organic Matter (SOM)	<0.35 %	TM132							2.16 #
pH	1 pH Units	TM133		7.4 M	5.31 M	6.7 M	6.35 M	6.24 M	6.42 M
Arsenic	<0.6 mg/kg	TM181		21.6 M	8.33 M	8.06 M	7.14 M	17.4 M	16.3 M
Cadmium	<0.02 mg/kg	TM181		0.471 M	0.236 M	0.301 M	0.073 M	0.655 M	0.537 M
Chromium	<0.9 mg/kg	TM181		15.2 M	15.5 M	11.1 M	11.5 M	15 M	22.9 M
Copper	<1.4 mg/kg	TM181		66 M	8.22 M	12.8 M	8.28 M	42 M	76.7 M
Lead	<0.7 mg/kg	TM181		56 M	12.2 M	14.6 M	14.1 M	62.2 M	50.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.3 M	15.6 M	23.3 M	30 M	24.9 M	34.6 M
Selenium	<1 mg/kg	TM181		<1 #	1.29 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.7 #	21.8 #	11.7 #	15.8 #	15.2 #	14.4 #
Zinc	<1.9 mg/kg	TM181		123 M	82.2 M	64.9 M	59.3 M	127 M	133 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3707	IP 3707	IP 3707	IP 3721	IP 3721	IP 3721
			Depth (m)	1.00	2.00	2.70	0.20	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789573	9789577	9789582	9789397	9789406	9789411
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	9.9	8.8	12	13	10
Actinolite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Amosite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Chrysotile*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Crocidolite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Tremolite*	-	SUB (ASB)		Not Detected #			Not Detected #	Not Detected #	
Soil Organic Matter (SOM)	<0.35 %	TM132					1.97 #		
pH	1 pH Units	TM133		6.96 M	6.27 M	5.9 M	6.03 M	6.02 M	6.92 M
Arsenic	<0.6 mg/kg	TM181		8.37 M	8.14 M	6.91 M	17.8 M	8.31 M	9.79 M
Cadmium	<0.02 mg/kg	TM181		0.228 M	0.201 M	0.279 M	0.331 M	0.107 M	0.416 M
Chromium	<0.9 mg/kg	TM181		19.6 M	13.2 M	11.3 M	13.2 M	4.87 M	12.5 M
Copper	<1.4 mg/kg	TM181		13.7 M	15.2 M	6.76 M	39 M	<1.4 M	17.6 M
Lead	<0.7 mg/kg	TM181		11.9 M	12.4 M	13.7 M	56.8 M	2.53 M	17.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.3 M	21 M	27.7 M	25.9 M	3.08 M	21.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		23.5 #	14.5 #	12 #	14.2 #	11.1 #	13.1 #
Zinc	<1.9 mg/kg	TM181		51.6 M	56.3 M	60 M	118 M	9.53 M	75.1 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3721	IP 3721	IP 3723	IP 3723	IP 3723	IP 3723
			Depth (m)	2.50	3.00	0.30	0.80	1.20	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789415	9789419	9789591	9789597	9789601	9789606
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9.7	7.8	8.3	10	12	15
Actinolite*	-	SUB (ASB)				Not Detected #	Not Detected #		
Amosite*	-	SUB (ASB)				Not Detected #	Not Detected #		
Chrysotile*	-	SUB (ASB)				Not Detected #	Not Detected #		
Crocidolite*	-	SUB (ASB)				Not Detected #	Not Detected #		
Tremolite*	-	SUB (ASB)				Not Detected #	Not Detected #		
pH	1 pH Units	TM133		6.79 M	6.67 M	6.4 M	6.73 M	7.51 M	6.74 M
Arsenic	<0.6 mg/kg	TM181		9 M	19.4 M	10.9 M	21.3 M	36.4 M	5.59 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.732 M	0.34 M	1.23 M	1.3 M	0.176 M
Chromium	<0.9 mg/kg	TM181		12.4 M	11.5 M	10.2 M	13.9 M	14.9 M	10.2 M
Copper	<1.4 mg/kg	TM181		14.2 M	61.8 M	29.8 M	45.5 M	118 M	4.77 M
Lead	<0.7 mg/kg	TM181		13.6 M	70.9 M	30.1 M	48.3 M	33 M	10 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24.8 M	26.6 M	20.8 M	29.7 M	14.5 M	14.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<10 #	1.42 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.6 #	12.7 #	10.9 #	19.5 #	20.2 #	16.9 #
Zinc	<1.9 mg/kg	TM181		67.7 M	127 M	85.8 M	125 M	117 M	48.2 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3723	IP 3723	TPE 170	TPE 170	TPE 170	TPE 170
			Depth (m)	2.70	3.70	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789611	9789623	9789089	9789095	9789100	9789105
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		10	10	13	8.2	8.4	9.9
Actinolite*	-	SUB (ASB)				Not Detected #			
Amosite*	-	SUB (ASB)				Not Detected #			
Chrysotile*	-	SUB (ASB)				Not Detected #			
Crocidolite*	-	SUB (ASB)				Not Detected #			
Tremolite*	-	SUB (ASB)				Not Detected #			
pH	1 pH Units	TM133		6.91 M	6.85 M	7.28 M	7.38 M	7.31 M	6.94 M
Arsenic	<0.6 mg/kg	TM181		8.77 M	8.62 M	46.2 M	10.3 M	10.1 M	9.83 M
Cadmium	<0.02 mg/kg	TM181		0.27 M	0.356 M	0.757 M	0.474 M	0.357 M	0.479 M
Chromium	<0.9 mg/kg	TM181		11.8 M	10.8 M	16.1 M	13.2 M	12.9 M	12.6 M
Copper	<1.4 mg/kg	TM181		14.3 M	10.3 M	92.9 M	19.3 M	16 M	17.4 M
Lead	<0.7 mg/kg	TM181		14.4 M	15.2 M	68.2 M	17.4 M	13.7 M	13.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.2 M	31.6 M	21.7 M	19.9 M	26.7 M	28.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.3 #	14.9 #	22 #	15 #	14.8 #	14.2 #
Zinc	<1.9 mg/kg	TM181		67.8 M	63.2 M	163 M	81.3 M	75.3 M	75.3 M

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1013	TPE 1013				
			Depth (m)	0.50	1.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	08/08/2014	08/08/2014				
			Sample Time	.	.				
			Date Received	12/08/2014	12/08/2014				
			SDG Ref	140812-31	140812-31				
			Lab Sample No.(s)	9789638	9789642				
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		7.7	35				
Actinolite*	-	SUB (ASB)		Not Detected #					
Amosite*	-	SUB (ASB)		Not Detected #					
Chrysotile*	-	SUB (ASB)		Not Detected #					
Crocidolite*	-	SUB (ASB)		Not Detected #					
Tremolite*	-	SUB (ASB)		Not Detected #					
pH	1 pH Units	TM133		8.12 M	5.93 M				
Arsenic	<0.6 mg/kg	TM181		26.1 M	130 M				
Cadmium	<0.02 mg/kg	TM181		0.729 M	2.91 M				
Chromium	<0.9 mg/kg	TM181		14.6 M	14.1 M				
Copper	<1.4 mg/kg	TM181		47.1 M	204 M				
Lead	<0.7 mg/kg	TM181		275 M	188 M				
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M				
Nickel	<0.2 mg/kg	TM181		24.2 M	34 M				
Selenium	<1 mg/kg	TM181		<1 #	2.28 #				
Vanadium	<0.2 mg/kg	TM181		15.1 #	16.8 #				
Zinc	<1.9 mg/kg	TM181		720 M	331 M				

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 001	IP 001	IP 001	IP 001	IP 1	IP 1
			Depth (m)	0.50	1.50	2.50	3.50	0.50	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789651	9789656	9789661	9789666	9795727	9795733
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		105	97.4	96.7	96.5	94.8	95
Acenaphthene-d10 % recovery**	%	TM218		109	94.6	93.1	91.6	95.3	122
Phenanthrene-d10 % recovery**	%	TM218		110	95.5	89.6	93.4	94.1	109
Chrysene-d12 % recovery**	%	TM218		112	91.3	92.8	88.3	98	109
Perylene-d12 % recovery**	%	TM218		123	107	99	92.8	105	114
Naphthalene	<9 µg/kg	TM218		158 M	11.1 @ M	<9 @ M	<9 @ M	23.7 M	26200 #
Acenaphthylene	<12 µg/kg	TM218		37 M	<12 @ M	<12 @ M	<12 @ M	<12 M	2040 #
Acenaphthene	<8 µg/kg	TM218		271 M	<8 @ M	<8 @ M	<8 @ M	10.8 M	15800 #
Fluorene	<10 µg/kg	TM218		535 M	<10 @ M	<10 @ M	<10 @ M	19.8 M	33700 #
Phenanthrene	<15 µg/kg	TM218		1170 M	118 @ M	135 @ M	163 @ M	122 M	64400 #
Anthracene	<16 µg/kg	TM218		415 M	<16 @ M	<16 @ M	<16 @ M	24.5 M	21600 #
Fluoranthene	<17 µg/kg	TM218		938 M	50 @ M	121 @ M	85 @ M	185 M	10200 #
Pyrene	<15 µg/kg	TM218		1330 M	37.8 @ M	92.4 @ M	60.5 @ M	218 M	38300 #
Benz(a)anthracene	<14 µg/kg	TM218		406 M	34.9 @ M	75 @ M	41.4 @ M	100 M	25800 #
Chrysene	<10 µg/kg	TM218		338 M	81.7 @ M	141 @ M	127 @ M	148 M	26200 #
Benzo(b)fluoranthene	<15 µg/kg	TM218		385 M	113 @ M	187 @ M	138 @ M	178 M	18500 #
Benzo(k)fluoranthene	<14 µg/kg	TM218		223 M	30.5 @ M	59.3 @ M	38.1 @ M	65 M	6460 #
Benzo(a)pyrene	<15 µg/kg	TM218		424 M	43.4 @ M	96.7 @ M	48.1 @ M	134 M	34600 #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		173 M	27.2 @ M	52.1 @ M	29.8 @ M	75.7 M	13400 #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		65.4 M	<23 @ M	<23 @ M	<23 @ M	26.5 M	9930 #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		266 M	38 @ M	67.7 @ M	38 @ M	108 M	24500 #
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		7130	585	1030	769	1440	372000

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 1	IP 2	IP 003	IP 003	IP 003	IP 003
			Depth (m)	2.00	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795738	9795756	9789111	9789117	9789123	9789127
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.3	95.9	103	116	113	107
Acenaphthene-d10 % recovery**	%	TM218		103	95.9	101	109	113	107
Phenanthrene-d10 % recovery**	%	TM218		102	95.4	101	108	114	107
Chrysene-d12 % recovery**	%	TM218		104	94.9	97.6	102	102	94.4
Perylene-d12 % recovery**	%	TM218		116	105	103	102	101	91.8
Naphthalene	<9 µg/kg	TM218		35.9 M	23.8 M	<9 @ M	71.8 @ M	55.5 M	11.1 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 @ M	24.6 @ M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		16.2 M	<8 M	<8 @ M	206 @ M	122 M	35.8 M
Fluorene	<10 µg/kg	TM218		22.3 M	<10 M	<10 @ M	120 @ M	186 M	37.8 M
Phenanthrene	<15 µg/kg	TM218		135 M	97.6 M	85 @ M	160 @ M	305 M	119 M
Anthracene	<16 µg/kg	TM218		20.7 M	20.5 M	<16 @ M	180 @ M	199 M	<16 M
Fluoranthene	<17 µg/kg	TM218		21.9 M	74.3 M	70.2 @ M	509 @ M	677 M	106 M
Pyrene	<15 µg/kg	TM218		<15 M	67.4 M	57.8 @ M	411 @ M	518 M	88 M
Benz(a)anthracene	<14 µg/kg	TM218		28.7 M	54.4 M	45.9 @ M	115 @ M	159 M	53 M
Chrysene	<10 µg/kg	TM218		60.3 M	74.5 M	88.4 @ M	139 @ M	212 M	71.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		50.7 M	123 M	142 @ M	127 @ M	142 M	60.6 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	37.7 M	49.7 @ M	44.7 @ M	43.9 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	64.1 M	56.6 @ M	76.2 @ M	73.4 M	20.4 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	38.4 M	55.3 @ M	51 @ M	42.6 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 @ M	<23 @ M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	63.1 M	70.3 @ M	61.5 @ M	56.8 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		392	739	722	2300	2790	603

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3	IP 3	IP 010	IP 010	IP 010	IP 010
			Depth (m)	0.50	1.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795762	9795690	9789171	9789176	9789180	9789184
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	102	101	101	117	109
Acenaphthene-d10 % recovery**	%	TM218		98.8	101	101	102	115	102
Phenanthrene-d10 % recovery**	%	TM218		98.4	99.6	100	98.5	106	97.4
Chrysene-d12 % recovery**	%	TM218		96.5	102	98.4	102	105	88.6
Perylene-d12 % recovery**	%	TM218		104	113	106	102	111	92.2
Naphthalene	<9 µg/kg	TM218		24.1 M	250 M	370 @ M	43.4 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 M	15.3 M	21.6 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 M	84.5 M	67.8 @ M	13.9 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 M	413 M	53.6 @ M	42.1 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		67.7 M	713 M	285 @ M	137 @ M	<15 @ M	<15 @ M
Anthracene	<16 µg/kg	TM218		<16 M	263 M	34.3 @ M	40.3 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		62.5 M	95.9 M	386 @ M	168 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		64.1 M	337 M	293 @ M	191 @ M	79.3 @ M	30.9 @ M
Benz(a)anthracene	<14 µg/kg	TM218		49.3 M	106 M	214 @ M	84.1 @ M	39.6 @ M	37.1 @ M
Chrysene	<10 µg/kg	TM218		51.9 M	102 M	359 @ M	129 @ M	21 @ M	19.6 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		87.9 M	93 M	549 @ M	175 @ M	30.6 @ M	39.1 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		27.8 M	22.8 M	178 @ M	55.3 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		52 M	64.7 M	286 @ M	92.3 @ M	116 @ M	60.1 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		37.4 M	23.6 M	259 @ M	68.9 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	87 @ M	30.9 @ M	76.4 @ M	58.5 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		74.5 M	32.7 M	323 @ M	93.2 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		599	2620	3770	1360	363	245

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 010	IP 012	IP 012	IP 012	IP 012	IP 013
			Depth (m)	4.50	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789192	9789153	9789157	9789161	9789167	9789131
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		103	96.2	110	97.3	99.9	92.1
Acenaphthene-d10 % recovery**	%	TM218		102	97.2	111	97.4	94	91.3
Phenanthrene-d10 % recovery**	%	TM218		97.7	97.1	110	97.1	90	90.7
Chrysene-d12 % recovery**	%	TM218		93.2	90	100	87.2	84.7	82.4
Perylene-d12 % recovery**	%	TM218		98.1	91.6	96.7	83.3	77.3	81
Naphthalene	<9 µg/kg	TM218		10.6 @ M	<9 @ M	<9 @ M	<9 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	11.3 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		73.8 @ M	123 @ M	28.9 @ M	26.9 @ M	25.4 @ M	78.9 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	204 @ M	<17 @ M	<17 @ M	<17 @ M	97.4 @ M
Pyrene	<15 µg/kg	TM218		17.4 @ M	160 @ M	<15 @ M	<15 @ M	<15 @ M	77.8 @ M
Benz(a)anthracene	<14 µg/kg	TM218		20.8 @ M	125 @ M	<14 @ M	<14 @ M	<14 @ M	55.1 @ M
Chrysene	<10 µg/kg	TM218		61.1 @ M	198 @ M	<10 @ M	<10 @ M	12.4 @ M	109 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		41.2 @ M	248 @ M	<15 @ M	<15 @ M	<15 @ M	102 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	73.8 @ M	<14 @ M	<14 @ M	<14 @ M	32.5 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	119 @ M	<15 @ M	<15 @ M	<15 @ M	40.8 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	86.8 @ M	<18 @ M	<18 @ M	<18 @ M	37.4 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	31.2 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	111 @ M	<24 @ M	<24 @ M	<24 @ M	53.2 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		225	1490	<118	<118	<118	685

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 013	IP 013	IP 013	IP 1556	IP 1556	IP 1556
			Depth (m)	1.50	2.50	3.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789135	9789144	9789149	9795686	9795717	9795722
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	101	104	93.2	94.8	101
Acenaphthene-d10 % recovery**	%	TM218		102	99	106	95.6	101	101
Phenanthrene-d10 % recovery**	%	TM218		94.4	93	106	96.1	96.6	100
Chrysene-d12 % recovery**	%	TM218		86.7	91.1	103	100	96	99.9
Perylene-d12 % recovery**	%	TM218		85.4	90.1	109	106	109	106
Naphthalene	<9 µg/kg	TM218		10.6 @ M	24.9 @ M	30.5 @ M	69.5 M	2530 M	70.8 M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	22 @ M	35.7 @ M	48.5 M	1040 M	<12 M
Acenaphthene	<8 µg/kg	TM218		11.4 @ M	38.2 @ M	92.6 @ M	64.6 M	2690 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 @ M	31.9 @ M	64.7 @ M	150 M	4720 M	<10 M
Phenanthrene	<15 µg/kg	TM218		112 @ M	304 @ M	691 @ M	378 M	8620 M	123 M
Anthracene	<16 µg/kg	TM218		<16 @ M	48.5 @ M	141 @ M	276 M	3380 M	<16 M
Fluoranthene	<17 µg/kg	TM218		179 @ M	721 @ M	1910 @ M	415 M	1630 M	<17 M
Pyrene	<15 µg/kg	TM218		137 @ M	525 @ M	1520 @ M	580 M	5280 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		93.7 @ M	385 @ M	1170 @ M	214 M	2300 M	20 M
Chrysene	<10 µg/kg	TM218		144 @ M	513 @ M	1490 @ M	237 M	2550 M	40.1 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		181 @ M	691 @ M	2210 @ M	216 M	1910 M	34.7 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		65.5 @ M	282 @ M	744 @ M	75.8 M	629 M	32.2 M
Benzo(a)pyrene	<15 µg/kg	TM218		99.4 @ M	419 @ M	1380 @ M	188 M	2590 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		75.3 @ M	308 @ M	884 @ M	94.9 M	931 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		25.8 @ M	115 @ M	311 @ M	38.4 M	476 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		100 @ M	406 @ M	1040 @ M	151 M	1630 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1240	4840	13700	3200	42900	320

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 2009	IP 2191	IP 2191	IP 3261	IP 3261	IP 3261
			Depth (m)	0.50	0.50	1.50	0.50	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789646	9789628	9789632	9789357	9789362	9789367
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.3	123	102	75	100	96.9
Acenaphthene-d10 % recovery**	%	TM218		94.7	126	100	78	97	98.1
Phenanthrene-d10 % recovery**	%	TM218		95.7	124	97.8	80	92.1	97.9
Chrysene-d12 % recovery**	%	TM218		96.7	131	98.4	85	84.1	90.1
Perylene-d12 % recovery**	%	TM218		109	148	101	80	79.7	90.9
Naphthalene	<9 µg/kg	TM218		65 @ M	172 @ M	<9 @ M	95.9 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		58.8 @ M	46.7 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		49.1 @ M	142 @ M	10.8 @ M	23.8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		74.1 @ M	252 @ M	17.8 @ M	22.9 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		271 @ M	1660 @ M	65.3 @ M	285 @ M	<15 @ M	58.7 @ M
Anthracene	<16 µg/kg	TM218		145 @ M	310 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		601 @ M	4000 @ M	113 @ M	208 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		936 @ M	3420 @ M	115 @ M	167 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		578 @ M	2530 @ M	94.8 @ M	109 @ M	<14 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		798 @ M	2890 @ M	90.7 @ M	242 @ M	<10 @ M	23.2 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1330 @ M	4650 @ M	139 @ M	175 @ M	<15 @ M	24.4 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		407 @ M	1470 @ M	52.6 @ M	68 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		903 @ M	2760 @ M	112 @ M	130 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		634 @ M	1640 @ M	69.5 @ M	95.6 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		214 @ M	650 @ M	32.5 @ M	50.1 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		806 @ M	1780 @ M	82.7 @ M	136 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		7870	28400	996	1810	<118	<118

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3261	IP 3280	IP 3280	IP 3280	IP 3280	IP 3313
			Depth (m)	3.00	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789371	9789376	9789381	9789386	9789391	9789322
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97	97.6	97.8	112	98.9	103
Acenaphthene-d10 % recovery**	%	TM218		97.4	95.7	98.1	111	98.9	102
Phenanthrene-d10 % recovery**	%	TM218		96.7	92.2	97.9	112	96.8	103
Chrysene-d12 % recovery**	%	TM218		86.6	93.5	90.2	104	91.8	98.6
Perylene-d12 % recovery**	%	TM218		84.8	98.8	91	103	95.1	108
Naphthalene	<9 µg/kg	TM218		<9 @ M	65.9 @ M	<9 @ M	<9 @ M	<9 @ M	44.1 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	13.8 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	22.7 @ M	<8 @ M	<8 @ M	<8 @ M	46.1 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	29.6 @ M	<10 @ M	<10 @ M	<10 @ M	33.7 @ M
Phenanthrene	<15 µg/kg	TM218		63.3 @ M	394 @ M	<15 @ M	24.9 @ M	19.5 @ M	667 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	34.1 @ M	<16 @ M	<16 @ M	<16 @ M	65.8 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	671 @ M	<17 @ M	<17 @ M	<17 @ M	934 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	553 @ M	<15 @ M	<15 @ M	<15 @ M	741 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	357 @ M	<14 @ M	22.5 @ M	20.1 @ M	338 @ M
Chrysene	<10 µg/kg	TM218		24.7 @ M	465 @ M	<10 @ M	15.4 @ M	16.2 @ M	548 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		28.5 @ M	625 @ M	<15 @ M	<15 @ M	<15 @ M	742 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	255 @ M	<14 @ M	<14 @ M	<14 @ M	271 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	459 @ M	<15 @ M	<15 @ M	<15 @ M	440 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	307 @ M	<18 @ M	<18 @ M	<18 @ M	309 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	95.2 @ M	<23 @ M	<23 @ M	<23 @ M	91.7 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	428 @ M	<24 @ M	<24 @ M	<24 @ M	391 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	4780	<118	<118	<118	5660

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3313	IP 3313	IP 3313	IP 3313	IP 3322	IP 3324
			Depth (m)	1.00	2.00	3.00	4.00	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789329	9789333	9789340	9789351	9795745	9795701
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.4	101	97.9	98.8	98.8	99.7
Acenaphthene-d10 % recovery**	%	TM218		97.9	101	98.4	101	98.5	98.2
Phenanthrene-d10 % recovery**	%	TM218		97.3	98.2	98.2	101	97.4	97.5
Chrysene-d12 % recovery**	%	TM218		87.7	98.8	90.3	95.8	103	104
Perylene-d12 % recovery**	%	TM218		85.3	101	91.7	101	109	112
Naphthalene	<9 µg/kg	TM218		<9 @ M	59.6 @ M	<9 @ #	<9 @ M	93.3 M	105 M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ #	<12 @ M	61 M	45.5 M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	23.5 @ M	<8 @ #	<8 @ M	59.3 M	144 M
Fluorene	<10 µg/kg	TM218		<10 @ M	87.6 @ M	<10 @ #	<10 @ M	122 M	152 M
Phenanthrene	<15 µg/kg	TM218		<15 @ M	142 @ M	38.7 @ #	44 @ M	797 M	3170 M
Anthracene	<16 µg/kg	TM218		<16 @ M	57.4 @ M	<16 @ #	<16 @ M	222 M	806 M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	43.3 @ M	21.1 @ #	<17 @ M	1520 M	7310 M
Pyrene	<15 µg/kg	TM218		<15 @ M	105 @ M	<15 @ #	<15 @ M	1260 M	6420 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	19 @ M	<14 @ #	<14 @ M	1170 M	5960 M
Chrysene	<10 µg/kg	TM218		<10 @ M	56.5 @ M	<10 @ #	<10 @ M	1140 M	4880 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	53.4 @ M	<15 @ #	<15 @ M	1460 M	6230 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	15.9 @ M	<14 @ #	<14 @ M	565 M	2670 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	29.8 @ M	<15 @ #	<15 @ M	1210 M	6240 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ #	<18 @ M	664 M	3030 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ #	<23 @ M	271 M	1030 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	36 @ M	<24 @ #	<24 @ M	818 M	3670 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	729	<118	<118	11400	51900

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3331	IP 3331	IP 3331	IP 3331	IP 3331	IP 3369
			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	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789299	9789303	9789308	9789313	9789317	9795707
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.1	103	106	101	101	103
Acenaphthene-d10 % recovery**	%	TM218		97.9	97.4	107	97.6	97.5	103
Phenanthrene-d10 % recovery**	%	TM218		93.9	92.8	96.6	93	92.5	104
Chrysene-d12 % recovery**	%	TM218		103	80	89.4	85.6	88.3	93
Perylene-d12 % recovery**	%	TM218		115	77.5	81.3	78.2	73.3	87
Naphthalene	<9 µg/kg	TM218		57.6 @ M	<9 @ M	16.5 @ M	<9 @ M	<9 @ M	<9 M
Acenaphthylene	<12 µg/kg	TM218		34.1 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		36.3 @ M	<8 @ M	14.1 @ M	<8 @ M	<8 @ M	<8 M
Fluorene	<10 µg/kg	TM218		37 @ M	<10 @ M	16 @ M	<10 @ M	<10 @ M	<10 M
Phenanthrene	<15 µg/kg	TM218		664 @ M	<15 @ M	52.2 @ M	48.3 @ M	56.7 @ M	49.3 M
Anthracene	<16 µg/kg	TM218		65.1 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 M
Fluoranthene	<17 µg/kg	TM218		1340 @ M	<17 @ M	<17 @ M	<17 @ M	<17 @ M	46.2 M
Pyrene	<15 µg/kg	TM218		1050 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	36.3 M
Benz(a)anthracene	<14 µg/kg	TM218		607 @ M	<14 @ M	28.6 @ M	<14 @ M	18.9 @ M	33.7 M
Chrysene	<10 µg/kg	TM218		864 @ M	<10 @ M	26.1 @ M	18.8 @ M	28.6 @ M	35.8 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1090 @ M	<15 @ M	30.2 @ M	25.9 @ M	27.8 @ M	36.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		432 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		793 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	18.2 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		644 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		206 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		857 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		8780	<118	184	<118	132	256

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3369	IP 3370	IP 3437	IP 3437	IP 3437	IP 3437
			Depth (m)	1.50	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795712	9795695	9789275	9789281	9789287	9789295
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.4	101	103	95.9	100	94.8
Acenaphthene-d10 % recovery**	%	TM218		99.5	103	103	92.7	97.7	94.8
Phenanthrene-d10 % recovery**	%	TM218		95.8	105	99	90.2	96.3	91.7
Chrysene-d12 % recovery**	%	TM218		101	102	101	88.1	91.1	92.7
Perylene-d12 % recovery**	%	TM218		105	108	104	83	94.5	95
Naphthalene	<9 µg/kg	TM218		10.4 M	63 M	44.2 @ M	98.2 @ M	118 @ M	207 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	34.8 M	17 @ M	<12 @ M	<12 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	50.7 M	27.8 @ M	<8 @ M	<8 @ M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	48.7 M	31.6 @ M	14.1 @ M	<10 @ M	14.6 M
Phenanthrene	<15 µg/kg	TM218		98 M	603 M	395 @ M	124 @ M	53.3 @ M	87.9 M
Anthracene	<16 µg/kg	TM218		<16 M	69.4 M	62.6 @ M	<16 @ M	<16 @ M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	1070 M	704 @ M	123 @ M	<17 @ M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	918 M	587 @ M	104 @ M	<15 @ M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		16.4 M	491 M	365 @ M	64.9 @ M	<14 @ M	<14 M
Chrysene	<10 µg/kg	TM218		52.1 M	695 M	571 @ M	164 @ M	<10 @ M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		30.1 M	1040 M	806 @ M	246 @ M	<15 @ M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	347 M	308 @ M	77.7 @ M	<14 @ M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	685 M	551 @ M	99.1 @ M	<15 @ M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	524 M	446 @ M	109 @ M	<18 @ M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	145 M	138 @ M	35.6 @ M	<23 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	709 M	553 @ M	139 @ M	<24 @ M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		207	7490	5610	1400	172	310

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3462	IP 3462	IP 3462	IP 3462	IP 3462	IP 3464
			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	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789245	9789250	9789257	9789263	9789269	9789081
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	96.4	104	101	98.7	101
Acenaphthene-d10 % recovery**	%	TM218		99.9	97	104	102	95.8	99.9
Phenanthrene-d10 % recovery**	%	TM218		95.8	97.2	101	99.2	93.3	98.9
Chrysene-d12 % recovery**	%	TM218		91.9	90.8	97.9	95.8	91.6	87.2
Perylene-d12 % recovery**	%	TM218		92.1	93	106	98	86	84.6
Naphthalene	<9 µg/kg	TM218		17.1 @ M	71.1 @ M	31.5 @ M	28.7 @ M	<9 @ M	38 M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 M
Fluorene	<10 µg/kg	TM218		<10 @ M	13.5 @ M	<10 @ M	13.2 @ M	16.8 @ M	<10 M
Phenanthrene	<15 µg/kg	TM218		243 @ M	864 @ M	102 @ M	803 @ M	102 @ M	552 M
Anthracene	<16 µg/kg	TM218		<16 @ M	39.7 @ M	<16 @ M	<16 @ M	<16 @ M	<16 M
Fluoranthene	<17 µg/kg	TM218		86.6 @ M	429 @ M	62.2 @ M	75.4 @ M	<17 @ M	88.4 M
Pyrene	<15 µg/kg	TM218		63.5 @ M	328 @ M	53.3 @ M	19.3 @ M	<15 @ M	50.4 M
Benz(a)anthracene	<14 µg/kg	TM218		46.2 @ M	205 @ M	41.5 @ M	21.2 @ M	18.1 @ M	28.9 M
Chrysene	<10 µg/kg	TM218		185 @ M	681 @ M	75.7 @ M	382 @ M	51.5 @ M	250 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		177 @ M	603 @ M	101 @ M	211 @ M	23.5 @ M	126 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		37.4 @ M	192 @ M	35 @ M	<14 @ M	<14 @ M	21.2 M
Benzo(a)pyrene	<15 µg/kg	TM218		48.2 @ M	291 @ M	52.1 @ M	<15 @ M	<15 @ M	18.1 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		42 @ M	283 @ M	44.5 @ M	<18 @ M	<18 @ M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		27.1 @ M	128 @ M	<23 @ M	33.2 @ M	<23 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		56 @ M	345 @ M	59.8 @ M	<24 @ M	<24 @ M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1030	4470	659	1590	212	1170

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3464	IP 3464	IP 3464	IP 3464	IP 3465	IP 3465
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789226	9789291	9789345	9789402	9789208	9789212
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.8	94.9	100	101	99.1	98.9
Acenaphthene-d10 % recovery**	%	TM218		98.4	92.9	98.6	99.9	97.1	101
Phenanthrene-d10 % recovery**	%	TM218		96.8	90.5	96.3	98.6	94	101
Chrysene-d12 % recovery**	%	TM218		91.9	88.5	90.1	83.6	92.5	95.6
Perylene-d12 % recovery**	%	TM218		94.5	88	89.6	70.7	89.1	100
Naphthalene	<9 µg/kg	TM218		18 @ M	39.5 @ M	147 @ #	320 M	42.8 @ M	45.4 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ #	<12 M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		14.8 @ M	<8 @ M	<8 @ #	<8 M	9.76 @ M	57.1 @ M
Fluorene	<10 µg/kg	TM218		11.7 @ M	<10 @ M	13.5 @ #	87.6 M	<10 @ M	43.7 @ M
Phenanthrene	<15 µg/kg	TM218		527 @ M	168 @ M	431 @ #	3290 M	384 @ M	752 @ M
Anthracene	<16 µg/kg	TM218		31.5 @ M	171 @ M	<16 @ #	<16 M	20 @ M	104 @ M
Fluoranthene	<17 µg/kg	TM218		474 @ M	<17 @ M	44.5 @ #	373 M	263 @ M	1150 @ M
Pyrene	<15 µg/kg	TM218		335 @ M	<15 @ M	<15 @ #	114 M	183 @ M	875 @ M
Benz(a)anthracene	<14 µg/kg	TM218		145 @ M	144 @ M	15.6 @ #	54.2 M	109 @ M	460 @ M
Chrysene	<10 µg/kg	TM218		392 @ M	126 @ M	187 @ #	1510 M	330 @ M	606 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		340 @ M	61.6 @ M	93 @ #	1070 M	283 @ M	678 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		109 @ M	55.5 @ M	<14 @ #	79.9 M	78.1 @ M	243 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		162 @ M	<15 @ M	<15 @ #	<15 M	122 @ M	445 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		112 @ M	<18 @ M	<18 @ #	64.8 M	104 @ M	248 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		45.7 @ M	<23 @ M	<23 @ #	161 M	46.7 @ M	76 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		150 @ M	<24 @ M	<24 @ #	59.3 M	128 @ M	296 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		2870	766	931	7190	2100	6080

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3465	IP 3465	IP 3465	IP 3468	IP 3468	IP 3468
			Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789216	9789220	9789236	9789452	9789503	9789557
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.7	99.1	96.6	103	88.6	105
Acenaphthene-d10 % recovery**	%	TM218		96.9	97	94.4	103	86.5	104
Phenanthrene-d10 % recovery**	%	TM218		96.8	94.8	92.3	103	84.6	104
Chrysene-d12 % recovery**	%	TM218		87.7	93.6	91.7	93.4	84.1	92.6
Perylene-d12 % recovery**	%	TM218		87.9	89.3	89.5	93.1	80.6	91.4
Naphthalene	<9 µg/kg	TM218		68.1 @ M	156 @ M	24 @ M	13.3 @ M	17.8 @ M	12.6 M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	9.57 M
Fluorene	<10 µg/kg	TM218		<10 @ M	71.9 @ M	27.6 @ M	<10 @ M	<10 @ M	11.4 M
Phenanthrene	<15 µg/kg	TM218		110 @ M	861 @ M	250 @ M	153 @ M	294 @ M	119 M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	93.8 @ M	27.1 @ M	21.8 @ M	24.9 @ M	<17 M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	16.9 @ M	<14 @ M	20.7 @ M	21.6 @ M	17.8 M
Chrysene	<10 µg/kg	TM218		28.2 @ M	328 @ M	97.1 @ M	70.5 @ M	144 @ M	41.7 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		28.4 @ M	168 @ M	52.1 @ M	38.7 @ M	76.2 @ M	31.7 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 @ M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 @ M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	30 @ M	<23 @ M	<23 @ M	<23 @ M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		235	1720	477	317	579	244

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3468	IP 3468	IP 3468	IP 3469	IP 3469	IP 3469
			Depth (m)	3.50	4.00	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789617	9789241	9789085	9789139	9789188	9789196
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		94.7	98.9	93.8	99.2	96.6	103
Acenaphthene-d10 % recovery**	%	TM218		92.4	102	91.9	99	95.8	101
Phenanthrene-d10 % recovery**	%	TM218		90.6	91.1	91.5	96.9	93.7	97.6
Chrysene-d12 % recovery**	%	TM218		89.3	81.8	91.7	91.6	86.8	91
Perylene-d12 % recovery**	%	TM218		88	71.3	90.7	89.1	87.1	89.5
Naphthalene	<9 µg/kg	TM218		30.4 @ #	55.2 @ M	34.9 @ M	24.9 @ M	18.1 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ #	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ #	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ #	34.6 @ M	253 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		184 @ #	3090 @ M	588 @ M	384 @ M	343 @ M	55.2 @ M
Anthracene	<16 µg/kg	TM218		<16 @ #	<16 @ M	44.4 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ #	353 @ M	41.4 @ M	52.9 @ M	33.8 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		<15 @ #	94.4 @ M	54.1 @ M	29.7 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		23.7 @ #	27.5 @ M	21.9 @ M	20.5 @ M	20 @ M	22.1 @ M
Chrysene	<10 µg/kg	TM218		73.9 @ #	1690 @ M	176 @ M	226 @ M	163 @ M	23.1 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		38.2 @ #	1010 @ M	80.4 @ M	132 @ M	91.5 @ M	18.5 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ #	58 @ M	<14 @ M	21.3 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ #	<15 @ M	23.3 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ #	65.3 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ #	159 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ #	42.4 @ M	40.6 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		351	6680	1360	891	669	119

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3469	IP 3469	IP 3685	IP 3687	IP 3687	IP 3687
			Depth (m)	3.50	4.50	0.50	0.20	1.20	1.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789200	9789204	9789442	9789480	9789484	9789489
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.6	101	102	91.2	90.8	101
Acenaphthene-d10 % recovery**	%	TM218		96.2	103	100	90.1	88.6	100
Phenanthrene-d10 % recovery**	%	TM218		94.2	103	97.6	88.3	87.6	98.9
Chrysene-d12 % recovery**	%	TM218		88.6	97.9	92.8	90.4	85.5	98.9
Perylene-d12 % recovery**	%	TM218		87	104	98.6	92.1	88.7	103
Naphthalene	<9 µg/kg	TM218		24.7 @ #	14.2 @ #	10.4 @ M	9.99 @ M	44.7 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ #	<12 @ #	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ #	<8 @ #	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ #	38.6 @ #	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		201 @ #	162 @ #	55.1 @ M	88.7 @ M	164 @ M	42.4 @ M
Anthracene	<16 µg/kg	TM218		<16 @ #	<16 @ #	<16 @ M	<16 @ M	21.7 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ #	<17 @ #	42.1 @ M	<17 @ M	123 @ M	23.2 @ M
Pyrene	<15 µg/kg	TM218		<15 @ #	22.1 @ #	31.4 @ M	<15 @ M	122 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		17.4 @ #	19.1 @ #	34.5 @ M	24.3 @ M	71.8 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		79.6 @ #	50.6 @ #	39.7 @ M	44.6 @ M	136 @ M	24.5 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		44.5 @ #	25.9 @ #	53.6 @ M	50.6 @ M	191 @ M	26.5 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ #	<14 @ #	16 @ M	<14 @ M	62 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ #	<15 @ #	25.7 @ M	<15 @ M	74 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ #	<18 @ #	<18 @ M	<18 @ M	52.2 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ #	<23 @ #	<23 @ M	<23 @ M	28.2 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ #	<24 @ #	<24 @ M	<24 @ M	81.6 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		368	332	309	218	1170	<118

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3687	IP 3687	IP 3687	IP 3688	IP 3688	IP 3689
			Depth (m)	2.50	3.30	3.60	0.80	1.80	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789492	9789499	9789507	9789471	9789475	9789447
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.2	95	102	93.1	96.5	98.3
Acenaphthene-d10 % recovery**	%	TM218		94.9	93.6	103	90.9	97.2	95.9
Phenanthrene-d10 % recovery**	%	TM218		92.8	91.7	97.7	89.4	95.8	93.1
Chrysene-d12 % recovery**	%	TM218		90.6	90.6	95.1	85.2	88.3	91.3
Perylene-d12 % recovery**	%	TM218		92.1	91.8	90.6	83.2	89.9	86.5
Naphthalene	<9 µg/kg	TM218		12.2 @ M	11.4 @ M	22.2 @ M	<9 @ M	38.8 @ M	20.7 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		117 @ M	104 @ M	<15 @ M	62.3 @ M	163 @ M	84.8 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	<17 @ M	22.4 @ M	52.3 @ M	51.7 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	41.7 @ M	38.1 @ M
Benz(a)anthracene	<14 µg/kg	TM218		20.2 @ M	27.3 @ M	<14 @ M	31.3 @ M	31.9 @ M	21.8 @ M
Chrysene	<10 µg/kg	TM218		60.3 @ M	58.9 @ M	<10 @ M	34.9 @ M	89.3 @ M	60.4 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		39.4 @ M	37.3 @ M	<15 @ M	38.9 @ M	84.2 @ M	51.4 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 @ M	21.3 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 @ M	21.8 @ M	20.6 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		249	239	<118	190	544	349

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3689	IP 3689	IP 3689	IP 3690	IP 3690	IP 3690
			Depth (m)	1.50	2.50	3.50	0.20	1.20	2.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789456	9789461	9789467	9789423	9789428	9789433
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.7	97.4	84.4	96	106	101
Acenaphthene-d10 % recovery**	%	TM218		91.1	97.9	79.7	94.5	104	99.6
Phenanthrene-d10 % recovery**	%	TM218		89.9	95.9	76.9	92.6	102	94.7
Chrysene-d12 % recovery**	%	TM218		88.6	88.7	73.1	92.9	95.5	92.6
Perylene-d12 % recovery**	%	TM218		88.2	87.1	64.9	92.6	101	96.1
Naphthalene	<9 µg/kg	TM218		<9 @ M	40.6 @ M	96.2 @ M	19 @ M	15.9 @ M	750 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		68.3 @ M	80.1 @ M	959 @ M	165 @ M	124 @ M	76.1 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	103 @ M	66 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	38.3 @ M	42.7 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		19.7 @ M	17.8 @ M	22 @ M	33 @ M	24.2 @ M	<14 @ M
Chrysene	<10 µg/kg	TM218		33 @ M	31.9 @ M	531 @ M	102 @ M	56.2 @ M	19 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		20.7 @ M	21.5 @ M	259 @ M	95.1 @ M	33.6 @ M	<15 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	19.3 @ M	21.7 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	29.7 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	20.9 @ M	27.3 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	47 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	34.2 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		142	192	2100	636	254	845

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3690	IP 3705	IP 3705	IP 3705	IP 3705	IP 3705
			Depth (m)	3.20	0.30	0.70	1.20	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789437	9789511	9789515	9789522	9789528	9789532
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.7	99.2	101	97.2	100	105
Acenaphthene-d10 % recovery**	%	TM218		98.7	102	101	96.9	101	103
Phenanthrene-d10 % recovery**	%	TM218		95.8	103	96.9	95.6	101	99.3
Chrysene-d12 % recovery**	%	TM218		95	99.9	92.5	85.1	97.4	92.1
Perylene-d12 % recovery**	%	TM218		93.6	113	96.3	82.5	105	96.5
Naphthalene	<9 µg/kg	TM218		126 @ M	<9 @ M	16.5 @ #	<9 @ M	14.1 @ M	13.2 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ #	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ #	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		62.5 @ M	95.4 @ M	100 @ #	86.1 @ M	151 @ M	149 @ M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ #	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	38.3 @ M	99.6 @ #	32.8 @ M	21.6 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		<15 @ M	24.1 @ M	70.2 @ #	21.4 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		16 @ M	24.3 @ M	61.2 @ #	16.8 @ M	24.4 @ M	21 @ M
Chrysene	<10 µg/kg	TM218		21.1 @ M	62.5 @ M	86.5 @ #	40.4 @ M	51.2 @ M	66.5 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	70.4 @ M	107 @ #	34.8 @ M	45.4 @ M	36.1 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	18.9 @ M	41.3 @ #	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	26 @ M	67.6 @ #	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	20.3 @ M	42.7 @ #	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ #	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	50.7 @ #	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		226	380	744	232	308	285

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3706	IP 3706	IP 3706	IP 3706	IP 3707	IP 3707
			Depth (m)	0.30	1.30	2.30	3.30	0.20	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789537	9789541	9789546	9789551	9789563	9789568
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		101	106	105	104	99.8	100
Acenaphthene-d10 % recovery**	%	TM218		100	103	105	107	103	101
Phenanthrene-d10 % recovery**	%	TM218		101	104	100	99.5	103	101
Chrysene-d12 % recovery**	%	TM218		94.6	95.9	94.7	102	98.2	92.9
Perylene-d12 % recovery**	%	TM218		102	95.6	103	102	107	95.6
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	<9 @ M	33.7 @ M	26 @ M	20.2 @ M
Acenaphthylene	<12 µg/kg	TM218		15.1 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		121 @ M	18.9 @ M	61.5 @ M	145 @ M	210 @ M	76 @ M
Anthracene	<16 µg/kg	TM218		23 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		136 @ M	<17 @ M	<17 @ M	<17 @ M	153 @ M	53.5 @ M
Pyrene	<15 µg/kg	TM218		98.4 @ M	<15 @ M	<15 @ M	<15 @ M	115 @ M	39.1 @ M
Benz(a)anthracene	<14 µg/kg	TM218		62.8 @ M	<14 @ M	25.4 @ M	16.3 @ M	90.8 @ M	33.4 @ M
Chrysene	<10 µg/kg	TM218		72.3 @ M	<10 @ M	26.6 @ M	84.5 @ M	189 @ M	41.2 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		94.9 @ M	<15 @ M	20.4 @ M	48.9 @ M	166 @ M	46.8 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		32 @ M	<14 @ M	<14 @ M	<14 @ M	49.2 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		60.5 @ M	<15 @ M	<15 @ M	<15 @ M	76.3 @ M	20.4 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		33.7 @ M	<18 @ M	<18 @ M	<18 @ M	53.5 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		39.4 @ M	<24 @ M	<24 @ M	<24 @ M	65.5 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		789	<118	134	328	1200	331

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3707	IP 3707	IP 3707	IP 3721	IP 3721	IP 3721
			Depth (m)	1.00	2.00	2.70	0.20	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789573	9789577	9789582	9789397	9789406	9789411
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95.8	93.6	95.8	94.6	98.6	101
Acenaphthene-d10 % recovery**	%	TM218		95	96.7	96.3	93.9	98.6	100
Phenanthrene-d10 % recovery**	%	TM218		92.9	96.8	95.9	94	98.4	100
Chrysene-d12 % recovery**	%	TM218		83	92.7	86.4	84.6	89.3	89.8
Perylene-d12 % recovery**	%	TM218		82.3	101	85.1	87.9	91.7	91.2
Naphthalene	<9 µg/kg	TM218		<9 @ M	<9 @ M	22.2 @ M	15.8 M	30 M	32.8 M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	<12 @ M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	<8 @ M	<8 @ M	<8 M	19.4 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 @ M	<10 @ M	11.2 @ M	<10 M	14.2 M	<10 M
Phenanthrene	<15 µg/kg	TM218		37.8 @ M	96.4 @ M	122 @ M	105 M	164 M	119 M
Anthracene	<16 µg/kg	TM218		<16 @ M	<16 @ M	<16 @ M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	<17 @ M	<17 @ M	43.8 M	64.3 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	30.4 M	43.9 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 @ M	<14 @ M	17.3 @ M	29.7 M	42.3 M	30.1 M
Chrysene	<10 µg/kg	TM218		<10 @ M	35.4 @ M	32.1 @ M	50.4 M	70.8 M	49.8 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 @ M	33.5 @ M	16.6 @ M	45.5 M	68.9 M	34 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 @ M	<14 @ M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 @ M	<15 @ M	<15 M	21.7 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 @ M	<18 @ M	<18 M	22.9 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 @ M	<23 @ M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 @ M	<24 @ M	<24 M	30.3 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	165	222	321	593	266

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3721	IP 3721	IP 3723	IP 3723	IP 3723	IP 3723
			Depth (m)	2.50	3.00	0.30	0.80	1.20	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789415	9789419	9789591	9789597	9789601	9789606
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	101	93.4	104	99.3	104
Acenaphthene-d10 % recovery**	%	TM218		102	101	93.8	105	99.2	103
Phenanthrene-d10 % recovery**	%	TM218		99.5	101	94.5	105	99.2	103
Chrysene-d12 % recovery**	%	TM218		94.2	91.4	87.9	96.6	89.2	91.3
Perylene-d12 % recovery**	%	TM218		90	90	96.1	101	91.9	89.5
Naphthalene	<9 µg/kg	TM218		208 @ M	700 M	14 M	30.9 M	10.9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		11.6 @ M	19.7 M	<8 M	9.26 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		34.8 @ M	111 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		167 @ M	1200 M	94.9 M	125 M	52 M	23.1 M
Anthracene	<16 µg/kg	TM218		<16 @ M	41.2 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 @ M	110 M	53.4 M	88.8 M	19.7 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 @ M	46.6 M	40.2 M	66.3 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		21 @ M	24.9 M	43.5 M	55.6 M	22.1 M	<14 M
Chrysene	<10 µg/kg	TM218		49.1 @ M	454 M	65.9 M	99.2 M	26 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		30.6 @ M	174 M	82.7 M	103 M	24.9 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 @ M	<14 M	17.6 M	24.2 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 @ M	<15 M	28.8 M	40.9 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 @ M	<18 M	22.9 M	30.3 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 @ M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 @ M	<24 M	30.5 M	40.1 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		523	2880	494	713	156	<118

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3723	IP 3723	TPE 170	TPE 170	TPE 170	TPE 170
			Depth (m)	2.70	3.70	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789611	9789623	9789089	9789095	9789100	9789105
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92	103	99.6	97.3	97.8	101
Acenaphthene-d10 % recovery**	%	TM218		91.5	101	101	97.6	95.8	97.7
Phenanthrene-d10 % recovery**	%	TM218		90.9	101	101	97.3	94.2	99.9
Chrysene-d12 % recovery**	%	TM218		79.7	88.4	98.2	88.1	87.2	89.2
Perylene-d12 % recovery**	%	TM218		76.7	83.8	107	84.6	102	81.8
Naphthalene	<9 µg/kg	TM218		1630 M	173 M	15.1 @ M	<9 @ M	<9 @ M	<9 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		20.3 M	<8 M	15.8 @ M	<8 @ M	<8 @ M	<8 @ M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 @ M	<10 @ M	<10 @ M	<10 @ M
Phenanthrene	<15 µg/kg	TM218		109 M	509 M	181 @ M	73 @ M	67.2 @ M	101 @ M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	25 @ M	<16 @ M	<16 @ M	<16 @ M
Fluoranthene	<17 µg/kg	TM218		<17 M	43.2 M	378 @ M	<17 @ M	<17 @ M	<17 @ M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	311 @ M	<15 @ M	<15 @ M	<15 @ M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	19.2 M	230 @ M	20.3 @ M	25.1 @ M	28.1 @ M
Chrysene	<10 µg/kg	TM218		23.9 M	167 M	373 @ M	42 @ M	33.7 @ M	55.5 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	87.3 M	652 @ M	26.7 @ M	59.6 @ M	50.5 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	201 @ M	<14 @ M	<14 @ M	<14 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	365 @ M	<15 @ M	<15 @ M	<15 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	303 @ M	<18 @ M	<18 @ M	<18 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	91.3 @ M	<23 @ M	<23 @ M	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	370 @ M	<24 @ M	<24 @ M	<24 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1790	999	3510	162	186	236

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

PAH by GCMS

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1013	TPE 1013				
			Depth (m)	0.50	1.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	08/08/2014	08/08/2014				
			Sample Time	.	.				
			Date Received	12/08/2014	12/08/2014				
			SDG Ref	140812-31	140812-31				
			Lab Sample No.(s)	9789638	9789642				
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.2	103				
Acenaphthene-d10 % recovery**	%	TM218		94.8	101				
Phenanthrene-d10 % recovery**	%	TM218		92.9	99.5				
Chrysene-d12 % recovery**	%	TM218		93.4	87.7				
Perylene-d12 % recovery**	%	TM218		93.1	91.9				
Naphthalene	<9 µg/kg	TM218		10.9 @ M	684 M				
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	154 M				
Acenaphthene	<8 µg/kg	TM218		14.3 @ M	769 M				
Fluorene	<10 µg/kg	TM218		<10 @ M	1100 M				
Phenanthrene	<15 µg/kg	TM218		94.4 @ M	2760 M				
Anthracene	<16 µg/kg	TM218		<16 @ M	589 M				
Fluoranthene	<17 µg/kg	TM218		187 @ M	2730 M				
Pyrene	<15 µg/kg	TM218		160 @ M	2040 M				
Benz(a)anthracene	<14 µg/kg	TM218		117 @ M	1200 M				
Chrysene	<10 µg/kg	TM218		188 @ M	1500 M				
Benzo(b)fluoranthene	<15 µg/kg	TM218		246 @ M	2140 M				
Benzo(k)fluoranthene	<14 µg/kg	TM218		125 @ M	623 M				
Benzo(a)pyrene	<15 µg/kg	TM218		172 @ M	1280 M				
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		138 @ M	740 M				
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		48.3 @ M	328 M				
Benzo(g,h,i)perylene	<24 µg/kg	TM218		182 @ M	912 M				
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1680	19500				

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 001	IP 001	IP 001	IP 001	IP 1	IP 1
			Depth (m)	0.50	1.50	2.50	3.50	0.50	1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789651	9789656	9789661	9789666	9795727	9795733
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		101	100	105	94	99	15
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	<176 M	<176 M	435 M	59100 #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 #
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 #
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 #
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 #
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 #
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<36	<36	<36	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<96	<96	<96	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	<40	748
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	<40	51.4	9950
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	<40	86.4	13900
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	<40	<40	133	15200
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	71100	8560000
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	175000	9200000
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	6000	4720	501	307000	15400000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	93800	9300000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	6000	4720	501	647000	42400000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	<40	63.5	9250
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	<40	<40	88.6	10100
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	12100	3170000
Aromatics >EC16-EC21	<100 µg/kg	TM173		1600	766	976	531	91300	5200000
Aromatics >EC21-EC35	<100 µg/kg	TM173		3650	6620	7770	3800	365000	20800000
Aromatics >EC35-EC44	<100 µg/kg	TM173		3580	995	1700	130	164000	14700000
Aromatics >EC40-EC44	<100 µg/kg	TM173		1090	290	550	<100	66800	6050000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		8820	8380	10400	4460	633000	43800000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		8830	14400	15200	4980	1280000	86300000
Aromatics >EC16-EC35	<100 µg/kg	TM173		5240	7380	8740	4330	457000	26000000

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 1	IP 2	IP 003	IP 003	IP 003	IP 003
			Depth (m)	2.00	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795738	9795756	9789111	9789117	9789123	9789127
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		133	107	87	105	92	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		677000 M	299 M	<176 M	887 M	8710 M	59700 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		2770 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		756 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<40 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	15.8 M	52.8 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<24 M	<24 M	<24 M	65.5 M	776 M
o-Xylene	<3 µg/kg	TM089		<60 M	<12 M	<12 M	<12 M	42.9 M	318 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<36	<36	108	1090
sum of detected BTEX by GC	<24 µg/kg	TM089		756	<24	<96	<96	124	1140
Aliphatics >C5-C6	<10 µg/kg	TM089		3000	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		247000	<40	<40	70.1	56.5	137
Aliphatics >C8-C10	<10 µg/kg	TM089		201000	61	<40	95.9	666	9180
Aliphatics >C10-C12	<10 µg/kg	TM089		53600	88.1	<40	378	4440	25900
Aliphatics >C12-C16	<100 µg/kg	TM173		5910	15000	1580	73200	9360	38000
Aliphatics >C16-C21	<100 µg/kg	TM173		8410	70100	17500	179000	25600	77900
Aliphatics >C21-C35	<100 µg/kg	TM173		8240	88200	17200	43700	8270	12800
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	14300	1490	823	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		22600	188000	37700	296000	43200	129000
Aromatics >EC5-EC7	<10 µg/kg	TM089		756	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		134000	41.8	<40	72.6	568	7270
Aromatics >EC10-EC12	<10 µg/kg	TM089		35700	58.8	<40	252	2960	17300
Aromatics >EC12-EC16	<100 µg/kg	TM173		1470	2300	<100	<100	<100	6330
Aromatics >EC16-EC21	<100 µg/kg	TM173		4830	23200	2930	14100	2830	22100
Aromatics >EC21-EC35	<100 µg/kg	TM173		8670	85800	19600	17000	7920	8330
Aromatics >EC35-EC44	<100 µg/kg	TM173		4440	34400	8870	6220	3860	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		2140	14800	3440	2000	1490	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		19400	146000	31400	37300	14600	36800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		716000	334000	69200	335000	66500	225000
Aromatics >EC16-EC35	<100 µg/kg	TM173		13500	109000	22500	31100	10700	30500

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3	IP 3	IP 010	IP 010	IP 010	IP 010
			Depth (m)	0.50	1.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795762	9795690	9789171	9789176	9789180	9789184
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		98	87	84	75 @	38 @	83
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	63800 M	<176 M	577 @ M	<176 @ M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<100 M	<20 M	<20 @ M	<20 @ M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<200 M	<40 M	<40 @ M	<40 @ M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<40 M	<8 M	<8 @ M	24 @ M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<60 M	17 M	18.2 @ M	72 @ M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<120 M	<24 M	<24 @ M	62 @ M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<60 M	<12 M	<12 @ M	36 @ M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<36	<9 @	98 @	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<96	<24 @	194 @	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	460	<40	<40 @	<40 @	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	6380	<40	<40 @	<40 @	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	12800	<40	76.2 @	<40 @	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	21300	<40	212 @	<40 @	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		11400	268000	<100	137000	3830	288
Aliphatics >C16-C21	<100 µg/kg	TM173		67200	128000	822	207000	3900	1050
Aliphatics >C21-C35	<100 µg/kg	TM173		123000	145000	5810	230000	75100	34700
Aliphatics >C35-C44	<100 µg/kg	TM173		33700	28200	832	55300	826	687
Total Aliphatics >C12-C44	<100 µg/kg	TM173		235000	569000	7460	630000	83700	36700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<200	<40	<40 @	<40 @	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200	<40	<40 @	<40 @	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	8550	<40	83.5 @	186 @	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	14200	<40	142 @	<40 @	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		1560	47300	686	22200	3820	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		22000	58200	1570	95300	5650	1280
Aromatics >EC21-EC35	<100 µg/kg	TM173		177000	137000	9490	230000	147000	59300
Aromatics >EC35-EC44	<100 µg/kg	TM173		98600	58200	4310	87300	110000	40400
Aromatics >EC40-EC44	<100 µg/kg	TM173		42000	24700	1840	31800	17400	8300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		299000	300000	16000	435000	266000	101000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		534000	933000	23600	1070000	350000	138000
Aromatics >EC16-EC35	<100 µg/kg	TM173		199000	195000	11100	326000	153000	60600

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 010	IP 012	IP 012	IP 012	IP 012	IP 013
			Depth (m)	4.50	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789192	9789153	9789157	9789161	9789167	9789131
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		108 @	97	106	98	103	88
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<880 @ M	<176 M	<176 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 @ M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<200 @ M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<40 @ M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<60 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<120 @ M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<60 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<36	<36	<36	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<96	<96	<96	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<200 @	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<200 @	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<200 @	<40	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<200 @	<40	<40	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	319
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	6960	206	<100	<100	11900
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	857	<100	<100	<100	2060
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	7820	206	<100	<100	14300
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200 @	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200 @	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<200 @	<40	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<200 @	<40	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	530	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	2650	<100	<100	<100	1600
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	19300	2760	<100	<100	12500
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	9100	1200	<100	<100	15300
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	3420	370	<100	<100	4260
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	31600	3960	<100	<100	29400
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		172	39500	4170	<100	<100	43700
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	22000	2760	<100	<100	14100

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 013	IP 013	IP 013	IP 1556	IP 1556	IP 1556
			Depth (m)	1.50	2.50	3.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789135	9789144	9789149	9795686	9795717	9795722
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		91	92	80	74	108	111
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	<176 M	8480 M	852000 M	338000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<100 M	<100 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<200 M	<200 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<40 M	<40 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<60 M	<60 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<120 M	<120 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<60 M	<60 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<36	<36	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<96	<96	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	4540	1790
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	486	239000	99200
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	1270	226000	115000
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	<40	3500	138000	26800
Aliphatics >C12-C16	<100 µg/kg	TM173		242	386	<100	228000	2000000	8360
Aliphatics >C16-C21	<100 µg/kg	TM173		1960	3480	1940	548000	2210000	7670
Aliphatics >C21-C35	<100 µg/kg	TM173		9480	14300	8550	927000	3030000	7720
Aliphatics >C35-C44	<100 µg/kg	TM173		1750	2400	497	108000	1200000	1000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		13400	20600	11000	1810000	8450000	24800
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<200	201
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<200	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	849	151000	76800
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	<40	2330	92200	17800
Aromatics >EC12-EC16	<100 µg/kg	TM173		223	1560	1220	56500	714000	4080
Aromatics >EC16-EC21	<100 µg/kg	TM173		1670	6580	4900	246000	1170000	4080
Aromatics >EC21-EC35	<100 µg/kg	TM173		11600	31200	26800	606000	3250000	9000
Aromatics >EC35-EC44	<100 µg/kg	TM173		3630	13000	12400	141000	1800000	1020
Aromatics >EC40-EC44	<100 µg/kg	TM173		611	4770	3260	57200	768000	296
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		17100	52300	45300	1050000	6930000	18200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		30500	72900	56300	2870000	16200000	381000
Aromatics >EC16-EC35	<100 µg/kg	TM173		13200	37700	31700	852000	4420000	13100

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 2009	IP 2191	IP 2191	IP 3261	IP 3261	IP 3261
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.50	0.50	1.50	0.50	1.00	2.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
*	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	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
		SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
(F)	Trigger breach confirmed	Lab Sample No.(s)	9789646	9789628	9789632	9789357	9789362	9789367
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	100 @	71	121 @	61 @	101	102
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	28800 @ M	17200 M	14200 @ M	<176 @ #	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100 @ M	<20 M	<100 @ M	<20 @ #	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<200 @ M	<40 M	<200 @ M	<40 @ #	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<40 @ M	<8 M	<40 @ M	<8 @ #	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<60 @ M	<12 M	<60 @ M	<12 @ #	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<120 @ M	<24 M	<120 @ M	<24 @ #	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<60 @ M	<12 M	<60 @ M	<12 @ #	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9 @	<36	<9 @	<36 @	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089	<24 @	<96	<24 @	<96 @	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089	<200 @	<40	<200 @	<40 @	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	479 @	386	935 @	<40 @	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	2510 @	5550	4990 @	<40 @	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	14400 @	4550	2870 @	<40 @	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	349000	60100	40000	1260	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	540000	89200	63300	3490	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	819000	90700	74800	16600	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	184000	10500	4620	7200	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	1890000	250000	183000	28600	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<200 @	<40	<200 @	<40 @	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200 @	<40	<200 @	<40 @	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	1670 @	3700	3330 @	<40 @	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	9570 @	3030	1920 @	<40 @	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	67100	12700	13800	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	244000	45400	31700	3240	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	639000	152000	146000	14600	2250	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	373000	59500	53400	8140	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	88600	23100	15700	3210	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	1320000	269000	245000	25900	2250	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	3240000	537000	442000	54500	2260	<100
Aromatics >EC16-EC35	<100 µg/kg	TM173	883000	197000	178000	17800	2250	<100

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3261	IP 3280	IP 3280	IP 3280	IP 3280	IP 3313
			Depth (m)	3.00	0.50	1.50	2.50	3.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789371	9789376	9789381	9789386	9789391	9789322
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		104	75	99	97	110	94
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	<176 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<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		<40	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	29600	<100	<100	<100	5980
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	168000	2570	<100	<100	56200
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	726000	13700	<100	<100	264000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	240000	3070	<100	<100	91800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	1160000	19300	<100	<100	418000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	2990	<100	<100	<100	2060
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	32600	<100	<100	<100	14600
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	536000	8020	<100	<100	230000
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	356000	5400	<100	<100	182000
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	159000	1980	<100	<100	81400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	928000	13400	<100	<100	429000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	2090000	32800	<100	<100	847000
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	569000	8020	<100	<100	245000

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3313	IP 3313	IP 3313	IP 3313	IP 3322	IP 3324
			Depth (m)	1.00	2.00	3.00	4.00	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789329	9789333	9789340	9789351	9795745	9795701
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		105	79	88	98	109	92
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	15500 M	<44 #	1100 M	525 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<5 M	<5 #	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<10 M	<10 #	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<2 M	<2 #	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<3 M	<3 #	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<6 M	<6 #	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<3 M	<3 #	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<9	<9	<36	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24	<24	<96	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<10	<10	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	25.5	<10	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	2720	<10	114	87	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	6530	<10	540	199	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		2200	441000	<100	5580	89000	23500
Aliphatics >C16-C21	<100 µg/kg	TM173		10400	446000	<100	10100	202000	224000
Aliphatics >C21-C35	<100 µg/kg	TM173		42900	697000	<100	17800	524000	293000
Aliphatics >C35-C44	<100 µg/kg	TM173		16800	190000	<100	3420	219000	97000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		72400	1770000	<100	36900	1030000	638000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<10	<10	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<10	<10	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	1810	<10	76.2	58.8	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	4360	<10	361	132	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	15000	<100	<100	24300	1590
Aromatics >EC16-EC21	<100 µg/kg	TM173		871	76300	<100	1130	189000	57200
Aromatics >EC21-EC35	<100 µg/kg	TM173		28500	294000	<100	1680	1100000	373000
Aromatics >EC35-EC44	<100 µg/kg	TM173		28500	142000	<100	<100	497000	241000
Aromatics >EC40-EC44	<100 µg/kg	TM173		13500	60300	<100	<100	214000	101000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		57900	527000	<100	2810	1810000	672000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		130000	2320000	<100	40800	2840000	1310000
Aromatics >EC16-EC35	<100 µg/kg	TM173		29400	370000	<100	2810	1290000	430000

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3331	IP 3331	IP 3331	IP 3331	IP 3331	IP 3369
			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	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789299	9789303	9789308	9789313	9789317	9795707
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		75 @	101	97	95	103	104
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 M	<176 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<36	<36	<36	<36	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<96	<96	<96	<96	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40	<40	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		13000	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		100000	<100	<100	<100	<100	2600
Aliphatics >C21-C35	<100 µg/kg	TM173		387000	<100	<100	<100	<100	6540
Aliphatics >C35-C44	<100 µg/kg	TM173		140000	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		640000	<100	<100	<100	<100	9130
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40 @	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40 @	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40 @	<40	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	<40	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		1040	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		15300	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		214000	<100	<100	<100	<100	4960
Aromatics >EC35-EC44	<100 µg/kg	TM173		144000	<100	<100	<100	<100	2790
Aromatics >EC40-EC44	<100 µg/kg	TM173		59700	<100	<100	<100	<100	1120
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		375000	<100	<100	<100	<100	7750
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1020000	<100	<100	<100	<100	16900
Aromatics >EC16-EC35	<100 µg/kg	TM173		229000	<100	<100	<100	<100	4960

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3369	IP 3370	IP 3437	IP 3437	IP 3437	IP 3437
			Depth (m)	1.50	0.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9795712	9795695	9789275	9789281	9789287	9789295
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		104	74	68	77	82	88
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<176 M	<176 M	2130 M	9270 M	6410 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	23.5 M	<8 M	34.1 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	23.5 M	<12 M	22.4 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	73.9 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	13.4 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<36	87.3	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<96	134	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	93	290	131
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<40	<40	520	1880	953
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<40	<40	327	2250	1480
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	<40	484	1980	1660
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	36700	397	2340	<100	5520
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	159000	7120	2360	<100	3060
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	467000	33800	4890	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	201000	9330	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	864000	50600	9590	<100	8590
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<40	<40	327	1500	1010
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	<40	323	1320	1110
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	2500	544	<100	680	3120
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	26600	3610	651	<100	1790
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	270000	34500	4370	<100	1060
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	172000	19300	5450	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	73600	7670	1560	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	471000	57900	10500	680	5980
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	1340000	109000	22200	9950	21000
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	296000	38100	5020	<100	2850

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3462	IP 3462	IP 3462	IP 3462	IP 3462	IP 3464
			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	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789245	9789250	9789257	9789263	9789269	9789081
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		82	62 2	212 @	66	69 @	63
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	<44 2 M	1510000 @ M	49200 M	827 @ M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<5 2 M	<100 @ M	<20 M	<20 @ M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<10 2 M	718 @ M	74.8 M	<40 @ M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<2 2 M	<40 @ M	<8 M	<8 @ M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<3 2 M	<60 @ M	<12 M	<12 @ M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<6 2 M	<120 @ M	<24 M	<24 @ M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<3 2 M	<60 @ M	<12 M	<12 @ M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<9 2	<9 @	<36	<9 @	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24 2	718 @	<96	<24 @	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<10 2	2140 @	603	<40 @	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		53.8	<10 2	592000 @	29800	296 @	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	<10 2	523000 @	10200	252 @	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<10 2	26500 @	944	47.9 @	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	2390	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		3060	15700	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	2770	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		3060	20900	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<10 2	718 @	74.8	<40 @	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<10 2	<200 @	<40	<40 @	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	<10 2	349000 @	6830	180 @	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<10 2	17600 @	629	<40 @	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		505	3520	398	1170	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		5660	24800	1700	1990	<100	2080
Aromatics >EC35-EC44	<100 µg/kg	TM173		1810	9060	174	<100	<100	4880
Aromatics >EC40-EC44	<100 µg/kg	TM173		840	3080	<100	<100	<100	1510
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		7980	37300	2270	3160	<100	6960
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		11200	58200	1510000	52300	827	6990
Aromatics >EC16-EC35	<100 µg/kg	TM173		6160	28300	2090	3160	<100	2080

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3464	IP 3464	IP 3464	IP 3464	IP 3465	IP 3465
			Depth (m)	1.50	2.50	3.50	4.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789226	9789291	9789345	9789402	9789208	9789212
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		89	100	67	98 @	63	100
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	7130 M	7210 #	6110 @ M	<176 M	10700 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 #	<100 @ M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 #	<200 @ M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 #	<40 @ M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 #	<60 @ M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 #	<120 @ M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 #	<60 @ 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	66	<200 @	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	726	1770	1790 @	<40	1150
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	3240	2730	1850 @	<40	5260
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	587	482	544 @	<40	487
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		208	<100	<100	<100	1790	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		208	<100	<100	<100	1790	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<200 @	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<200 @	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	2160	1820	1320 @	<40	3510
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	392	321	363 @	<40	324
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	972	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	212	1350	275
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	332	10900	2740
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	8530	2320
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	1960	980
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	1520	20800	5330
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		208	7130	7210	7570	22700	16100
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	<100	<100	544	12300	3010

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 3465	IP 3465	IP 3465	IP 3468	IP 3468	IP 3468
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	2.50	3.50	4.50	0.50	1.50	2.50
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
		Sample Time	.	.	.	.	.	.
		Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
		SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
(F)	Trigger breach confirmed	Lab Sample No.(s)	9789216	9789220	9789236	9789452	9789503	9789557
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	129 @	67	66	96	98	92
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	207000 @ M	15300 M	2030 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100 @ M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<200 @ M	153 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<40 @ M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<60 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<120 @ M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<60 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9 @	<36	<36	<36	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089	<24 @	153	<96	<96	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089	<200 @	1170	57.9	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	36100 @	10500	970	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	95800 @	1730	513	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	6910 @	309	69.9	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<200 @	153	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200 @	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	63900 @	1150	343	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	4610 @	205	45.9	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	569	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	1010	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	1340	<100	491	<100	314
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	1260	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	479	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	569	2350	<100	1750	<100	314
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	208000	17600	2030	1760	<100	321
Aromatics >EC16-EC35	<100 µg/kg	TM173	<100	2350	<100	491	<100	314

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3468	IP 3468	IP 3468	IP 3469	IP 3469	IP 3469
			Depth (m)	3.50	4.00	4.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789617	9789241	9789085	9789139	9789188	9789196
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		69	101 @	58 @	80	95	100
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2690 #	2710 @ M	<880 @ M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 #	237 @ M	<100 @ M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 #	<200 @ M	<200 @ M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		<8 #	<40 @ M	<40 @ M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		<12 #	<60 @ M	<60 @ M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		<24 #	<120 @ M	<120 @ M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 #	<60 @ M	<60 @ M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<9 @	<9 @	<36	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24 @	<24 @	<96	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<200 @	<200 @	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		605	1020 @	<200 @	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		1010	588 @	<200 @	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		216	<200 @	<200 @	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	1590	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	1590	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<200 @	<200 @	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200 @	<200 @	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		671	392 @	<200 @	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		145	<200 @	<200 @	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	1040	4580	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	3050	10200	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	6750	21500	<100	1720	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	1580	5840	<100	1320	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	605	1590	<100	414	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	12400	42100	<100	3040	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2690	14900	43700	<100	3040	<100
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	9790	31700	<100	1720	<100

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3469	IP 3469	IP 3685	IP 3687	IP 3687	IP 3687
			Depth (m)	3.50	4.50	0.50	0.20	1.20	1.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789200	9789204	9789442	9789480	9789484	9789489
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		60	103 @	86	99	97	107
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		240 #	<880 @ #	479 M	<176 M	2260 M	3140 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 #	<100 @ #	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 #	<200 @ #	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		14 #	<40 @ #	73.9 M	19.3 M	466 M	58 M
Ethylbenzene	<3 µg/kg	TM089		27 #	111 @ #	166 M	64.4 M	637 M	129 M
m,p-Xylene	<6 µg/kg	TM089		<24 #	136 @ #	35.9 M	<24 M	316 M	66.1 M
o-Xylene	<3 µg/kg	TM089		16.2 #	<60 @ #	37 M	<12 M	113 M	42.9 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	136 @	72.9	<36	429	109
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	247 @	313	<96	1530	296
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<200 @	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	<200 @	<40	<40	103	745
Aliphatics >C8-C10	<10 µg/kg	TM089		45.4	<200 @	<40	<40	190	603
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<200 @	49.6	<40	165	623
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	3740	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	23500	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	1790	<100	147000	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	76400	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	1790	<100	251000	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<200 @	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200 @	73.9	<40	466	58
Aromatics >EC8-EC10	<10 µg/kg	TM089		95	307 @	264	96.7	1190	640
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<200 @	<40	<40	111	415
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	455	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	6950	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	5200	<100	135000	4280
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	3070	<100	106000	3550
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	1370	<100	42600	1510
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	8270	<100	249000	7840
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		240	345	10500	118	502000	11000
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	<100	5200	<100	142000	4280

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3687	IP 3687	IP 3687	IP 3688	IP 3688	IP 3689
			Depth (m)	2.50	3.30	3.60	0.80	1.80	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789492	9789499	9789507	9789471	9789475	9789447
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		93	92	101	94	96	94
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2810 M	5190 M	2830 M	<176 M	394 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		102 M	203 M	<8 M	<8 M	71.5 M	14.6 M
Ethylbenzene	<3 µg/kg	TM089		142 M	251 M	42 M	<12 M	100 M	44.8 M
m,p-Xylene	<6 µg/kg	TM089		106 M	190 M	34.8 M	<24 M	37.4 M	<24 M
o-Xylene	<3 µg/kg	TM089		47.3 M	71.2 M	37.2 M	<12 M	17.6 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		153	261	72	<36	55	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		397	715	114	<96	227	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		90.2	174	43.2	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		1140	1980	448	<40	40.7	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		352	738	376	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		358	651	962	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	820	492
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	8650	1550
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	886	22000	6730
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	7080	1150
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	886	38500	9930
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		102	203	<40	<40	71.5	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		529	1000	365	<40	177	65
Aromatics >EC10-EC12	<10 µg/kg	TM089		239	434	641	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	765	840
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	1300	2650	3380	11600	10100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	345	<100	309	7500	2610
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	3330	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	1640	2650	3690	19800	13600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2810	6830	5480	4590	58800	23600
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	1300	2650	3380	12300	11000

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 3689	IP 3689	IP 3689	IP 3690	IP 3690	IP 3690
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	1.50	2.50	3.50	0.20	1.20	2.20
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
		Sample Time	.	.	.	.	.	.
		Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
		SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
(F)	Trigger breach confirmed	Lab Sample No.(s)	9789456	9789461	9789467	9789423	9789428	9789433
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	98	95	68	91	92	100 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	<176 M	2880 M	20300 M	<176 M	1680 M	418000 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<20 M	<20 M	<20 M	<20 M	<20 M	<50 @ M
Benzene	<10 µg/kg	TM089	<40 M	<40 M	<40 M	<40 M	<40 M	<100 @ M
Toluene	<2 µg/kg	TM089	13.3 M	37 M	248 M	23.3 M	<8 M	1430 @ M
Ethylbenzene	<3 µg/kg	TM089	28.9 M	128 M	509 M	93.2 M	35.5 M	7050 @ M
m,p-Xylene	<6 µg/kg	TM089	<24 M	52.2 M	293 M	27.8 M	<24 M	9990 @ M
o-Xylene	<3 µg/kg	TM089	<12 M	75 M	145 M	25.5 M	16.2 M	4220 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<36	127	438	53.3	<36	14200 @
sum of detected BTEX by GC	<24 µg/kg	TM089	<96	292	1200	170	<96	22700 @
Aliphatics >C5-C6	<10 µg/kg	TM089	<40	<40	184	<40	<40	196 @
Aliphatics >C6-C8	<10 µg/kg	TM089	<40	135	1210	<40	236	12200 @
Aliphatics >C8-C10	<10 µg/kg	TM089	<40	505	2310	<40	278	69100 @
Aliphatics >C10-C12	<10 µg/kg	TM089	<40	945	8320	<40	532	161000 @
Aliphatics >C12-C16	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	<100	3960	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	<100	<100	<100	3960	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<40	<40	41.7	<40	<40	<100 @
Aromatics >EC7-EC8	<10 µg/kg	TM089	<40	<40	248	<40	<40	1430 @
Aromatics >EC8-EC10	<10 µg/kg	TM089	53.3	592	2490	147	244	67300 @
Aromatics >EC10-EC12	<10 µg/kg	TM089	<40	629	5550	<40	354	107000 @
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	<100	2450	<100	<100	2370
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	<100	6340	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	<100	3280	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	<100	1270	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	<100	<100	2450	9630	<100	2370
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	<100	2880	22800	13800	1680	420000
Aromatics >EC16-EC35	<100 µg/kg	TM173	<100	<100	<100	6340	<100	<100

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3690	IP 3705	IP 3705	IP 3705	IP 3705	IP 3705
			Depth (m)	3.20	0.30	0.70	1.20	2.20	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789437	9789511	9789515	9789522	9789528	9789532
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		100	94	89	96	98	99
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		31600 M	<176 M	<176 #	<176 M	1490 M	3020 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 #	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 #	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		106 M	<8 M	<8 #	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		871 M	<12 M	<12 #	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		731 M	<24 M	<24 #	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		291 M	<12 M	<12 #	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		1020	<36	<36	<36	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		2000	<96	<96	<96	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	<40	<40	<40	59.4	68.3
Aliphatics >C6-C8	<10 µg/kg	TM089		441	<40	<40	<40	582	1010
Aliphatics >C8-C10	<10 µg/kg	TM089		5230	<40	<40	<40	487	1120
Aliphatics >C10-C12	<10 µg/kg	TM089		12300	<40	<40	<40	<40	43.7
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	2720	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	1210	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	203	5290	<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	203	9230	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		106	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		5380	<40	<40	<40	325	746
Aromatics >EC10-EC12	<10 µg/kg	TM089		8170	<40	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		708	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	205	321	<100	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		1200	5030	5690	1480	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	657	1310	211	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	269	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1910	5890	7320	1690	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		33500	6100	16500	1700	1490	3020
Aromatics >EC16-EC35	<100 µg/kg	TM173		1200	5240	6010	1480	<100	<100

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3706	IP 3706	IP 3706	IP 3706	IP 3707	IP 3707
			Depth (m)	0.30	1.30	2.30	3.30	0.20	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789537	9789541	9789546	9789551	9789563	9789568
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		97	107	86	88	68	66
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	5430 M	1470 M	11200 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	57.7 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	16 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	<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		<40	295	60.1	400	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	3760	631	4100	46.7	<40
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	788	355	2830	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	107	1140	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	<100	6290	3950
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	<100	6290	3950
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	57.7	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	526	237	1880	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	72.1	763	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	1580	1220
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	14800	5920
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	4340	1150
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	1460	368
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	<100	20700	8290
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		<100	5430	1470	11200	27200	12300
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	<100	<100	<100	16400	7140

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3707	IP 3707	IP 3707	IP 3721	IP 3721	IP 3721
			Depth (m)	1.00	2.00	2.70	0.20	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789573	9789577	9789582	9789397	9789406	9789411
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		79	69	76	89	92	94
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		201 M	751 M	1960 M	<176 M	<176 M	440 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		22.8 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	13.4 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	<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		<40	72.2	107	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089		96.9	385	551	<40	<40	155
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	133	309	<40	<40	82.9
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	<40	466	<40	<40	58.2
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	<100	<100	1570	4990	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	<100	<100	1570	4990	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	88.8	206	<40	<40	89.6
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	<40	310	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100	<100	222	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100	6530	9200	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100	2620	1120	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100	1010	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100	9160	10500	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		146	751	1960	10700	15600	440
Aromatics >EC16-EC35	<100 µg/kg	TM173		<100	<100	<100	6530	9420	<100

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 3721	IP 3721	IP 3723	IP 3723	IP 3723	IP 3723
			Depth (m)	2.50	3.00	0.30	0.80	1.20	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
			Sample Time	.	.	.	.	.	.
			Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
			SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
			Lab Sample No.(s)	9789415	9789419	9789591	9789597	9789601	9789606
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		78	70	89	60	90	79
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		14100 M	15500 M	<176 M	<176 M	<176 M	1790 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		174 M	615 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089		148 M	598 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089		74.4 M	264 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089		292 M	839 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089		<12 M	219 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		292	1060	<36	<36	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089		688	2540	<96	<96	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089		202	877	<40	<40	<40	46.8
Aliphatics >C6-C8	<10 µg/kg	TM089		1830	4400	<40	<40	<40	346
Aliphatics >C8-C10	<10 µg/kg	TM089		3900	2640	<40	<40	<40	555
Aliphatics >C10-C12	<10 µg/kg	TM089		2900	1970	<40	<40	<40	282
Aliphatics >C12-C16	<100 µg/kg	TM173		2970	4460	<100	475	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173		5840	973	<100	1670	2220	<100
Aliphatics >C21-C35	<100 µg/kg	TM173		9360	<100	1760	9190	6420	<100
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	3330	1470	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		18200	5440	1760	14700	10100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089		174	615	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089		148	598	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089		2970	3080	<40	<40	<40	370
Aromatics >EC10-EC12	<10 µg/kg	TM089		1930	1310	<40	<40	<40	188
Aromatics >EC12-EC16	<100 µg/kg	TM173		820	2060	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		2030	1470	<100	615	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		5610	<100	11200	8560	4260	1050
Aromatics >EC35-EC44	<100 µg/kg	TM173		235	<100	9630	15300	591	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	2320	4720	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		8700	3530	20900	24400	4850	1050
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		40900	24500	22600	39100	15000	2840
Aromatics >EC16-EC35	<100 µg/kg	TM173		7640	1470	11200	9170	4260	1050

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

TPH CWG (S)

Results Legend		Customer Sample Ref.	IP 3723	IP 3723	TPE 170	TPE 170	TPE 170	TPE 170
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	2.70	3.70	0.50	1.50	2.50	3.50
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
		Date Sampled	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014	08/08/2014
		Sample Time	.	.	.	.	.	.
		Date Received	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014	12/08/2014
		SDG Ref	140812-31	140812-31	140812-31	140812-31	140812-31	140812-31
(F)	Trigger breach confirmed	Lab Sample No.(s)	9789611	9789623	9789089	9789095	9789100	9789105
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	114 @	78	84	106	100	92
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	439000 @ M	13300 M	<176 M	<176 M	<176 M	<176 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<100 @ M	<20 M	<20 M	<20 M	<20 M	<20 M
Benzene	<10 µg/kg	TM089	<200 @ M	355 M	<40 M	<40 M	<40 M	<40 M
Toluene	<2 µg/kg	TM089	<40 @ M	<8 M	<8 M	<8 M	<8 M	<8 M
Ethylbenzene	<3 µg/kg	TM089	<60 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
m,p-Xylene	<6 µg/kg	TM089	<120 @ M	<24 M	<24 M	<24 M	<24 M	<24 M
o-Xylene	<3 µg/kg	TM089	<60 @ M	<12 M	<12 M	<12 M	<12 M	<12 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9 @	<36	<36	<36	<36	<36
sum of detected BTEX by GC	<24 µg/kg	TM089	<24 @	355	<96	<96	<96	<96
Aliphatics >C5-C6	<10 µg/kg	TM089	5190 @	866	<40	<40	<40	<40
Aliphatics >C6-C8	<10 µg/kg	TM089	75500 @	4430	<40	<40	<40	<40
Aliphatics >C8-C10	<10 µg/kg	TM089	144000 @	2330	<40	<40	<40	<40
Aliphatics >C10-C12	<10 µg/kg	TM089	71000 @	2250	<40	<40	<40	<40
Aliphatics >C12-C16	<100 µg/kg	TM173	20700	<100	323	<100	<100	<100
Aliphatics >C16-C21	<100 µg/kg	TM173	714	<100	5950	<100	<100	<100
Aliphatics >C21-C35	<100 µg/kg	TM173	<100	<100	42400	<100	<100	<100
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	14100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	21500	<100	62700	<100	<100	<100
Aromatics >EC5-EC7	<10 µg/kg	TM089	<200 @	355	<40	<40	<40	<40
Aromatics >EC7-EC8	<10 µg/kg	TM089	<200 @	<40	<40	<40	<40	<40
Aromatics >EC8-EC10	<10 µg/kg	TM089	95800 @	1550	<40	<40	<40	<40
Aromatics >EC10-EC12	<10 µg/kg	TM089	47300 @	1500	<40	<40	<40	<40
Aromatics >EC12-EC16	<100 µg/kg	TM173	23600	1800	<100	<100	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	649	<100	2700	215	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	<100	<100	32800	967	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	<100	<100	25400	<100	<100	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	<100	10100	<100	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	24300	1800	60800	1180	<100	<100
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	484000	15100	124000	1200	<100	<100
Aromatics >EC16-EC35	<100 µg/kg	TM173	649	<100	35500	1180	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1013	TPE 1013				
			Depth (m)	0.50	1.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	08/08/2014	08/08/2014				
			Sample Time	.	.				
			Date Received	12/08/2014	12/08/2014				
			SDG Ref	140812-31	140812-31				
			Lab Sample No.(s)	9789638	9789642				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		79	100 @				
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	17900 @ M				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<100 @ M				
Benzene	<10 µg/kg	TM089		<40 M	<200 @ M				
Toluene	<2 µg/kg	TM089		<8 M	<40 @ M				
Ethylbenzene	<3 µg/kg	TM089		<12 M	<60 @ M				
m,p-Xylene	<6 µg/kg	TM089		<24 M	<120 @ M				
o-Xylene	<3 µg/kg	TM089		<12 M	<60 @ M				
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<36	<9 @				
sum of detected BTEX by GC	<24 µg/kg	TM089		<96	<24 @				
Aliphatics >C5-C6	<10 µg/kg	TM089		<40	208 @				
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	1120 @				
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	3190 @				
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	6660 @				
Aliphatics >C12-C16	<100 µg/kg	TM173		512	609000				
Aliphatics >C16-C21	<100 µg/kg	TM173		6200	831000				
Aliphatics >C21-C35	<100 µg/kg	TM173		24500	1250000				
Aliphatics >C35-C44	<100 µg/kg	TM173		8420	320000				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		39600	3010000				
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<200 @				
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<200 @				
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	2270 @				
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	4440 @				
Aromatics >EC12-EC16	<100 µg/kg	TM173		936	133000				
Aromatics >EC16-EC21	<100 µg/kg	TM173		2420	362000				
Aromatics >EC21-EC35	<100 µg/kg	TM173		22200	1190000				
Aromatics >EC35-EC44	<100 µg/kg	TM173		11900	534000				
Aromatics >EC40-EC44	<100 µg/kg	TM173		4970	211000				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		37500	2210000				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		77200	5250000				
Aromatics >EC16-EC35	<100 µg/kg	TM173		24700	1550000				

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 2 0.50 SOLID 08/08/2014 00:00:00 140812-31 9795756 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	IP 3331 0.50 SOLID 08/08/2014 00:00:00 140812-31 9789299 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Test Completion Dates

Lab Sample No(s)	9789651	9789656	9789661	9789666	9795727	9795733	9795738	9795756	9789111	9789117
Customer Sample Ref.	IP 001	IP 001	IP 001	IP 001	IP 1	IP 1	IP 1	IP 2	IP 003	IP 003
AGS Ref.										
Depth	0.50	1.50	2.50	3.50	0.50	1.10	2.00	0.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	19-Aug-2014				26-Aug-2014			26-Aug-2014	19-Aug-2014	
Asbestos Quantification - Full								04-Sep-2014		
EPH CWG (Aliphatic) GC (S)	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	28-Aug-2014	28-Aug-2014
EPH CWG (Aromatic) GC (S)	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	28-Aug-2014	28-Aug-2014
GRO by GC-FID (S)	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	19-Aug-2014	20-Aug-2014	20-Aug-2014	19-Aug-2014	24-Aug-2014	24-Aug-2014
Metals in solid samples by OES	26-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	19-Aug-2014	20-Aug-2014	20-Aug-2014	20-Aug-2014	22-Aug-2014	22-Aug-2014
PAH by GCMS	26-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	28-Aug-2014	28-Aug-2014
pH	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	20-Aug-2014	18-Aug-2014	16-Aug-2014	20-Aug-2014	27-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	16-Aug-2014	14-Aug-2014	14-Aug-2014	18-Aug-2014	19-Aug-2014	19-Aug-2014
Total Organic Carbon	26-Aug-2014								26-Aug-2014	
TPH CWG GC (S)	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	28-Aug-2014	28-Aug-2014

Lab Sample No(s)	9789123	9789127	9795690	9795762	9789171	9789176	9789180	9789184	9789192	9789153
Customer Sample Ref.	IP 003	IP 003	IP 3	IP 3	IP 010	IP 010	IP 010	IP 010	IP 010	IP 012
AGS Ref.										
Depth	2.50	3.50	1.50	0.50	0.50	1.50	2.50	3.50	4.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*				26-Aug-2014	19-Aug-2014					19-Aug-2014
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
GRO by GC-FID (S)	23-Aug-2014	23-Aug-2014	21-Aug-2014	19-Aug-2014	24-Aug-2014	26-Aug-2014	24-Aug-2014	24-Aug-2014	27-Aug-2014	23-Aug-2014
Metals in solid samples by OES	22-Aug-2014	22-Aug-2014	20-Aug-2014	20-Aug-2014	26-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014
PAH by GCMS	26-Aug-2014	26-Aug-2014	19-Aug-2014	21-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014
pH	26-Aug-2014	26-Aug-2014	18-Aug-2014	20-Aug-2014	23-Aug-2014	23-Aug-2014	26-Aug-2014	23-Aug-2014	23-Aug-2014	27-Aug-2014
Sample description	19-Aug-2014	20-Aug-2014	14-Aug-2014	18-Aug-2014	20-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	20-Aug-2014
Total Organic Carbon					26-Aug-2014					26-Aug-2014
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014

Lab Sample No(s)	9789157	9789161	9789167	9789131	9789135	9789144	9789149	9795686	9795717	9795722
Customer Sample Ref.	IP 012	IP 012	IP 012	IP 013	IP 013	IP 013	IP 013	IP 1556	IP 1556	IP 1556
AGS Ref.										
Depth	1.50	2.50	3.50	0.50	1.50	2.50	3.50	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*				19-Aug-2014				26-Aug-2014		
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014
GRO by GC-FID (S)	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	19-Aug-2014	20-Aug-2014	21-Aug-2014
Metals in solid samples by OES	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	21-Aug-2014	22-Aug-2014	22-Aug-2014	19-Aug-2014	20-Aug-2014	20-Aug-2014
PAH by GCMS	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	21-Aug-2014	20-Aug-2014	20-Aug-2014
pH	26-Aug-2014	26-Aug-2014	23-Aug-2014	27-Aug-2014	27-Aug-2014	23-Aug-2014	27-Aug-2014	20-Aug-2014	16-Aug-2014	16-Aug-2014
Sample description	20-Aug-2014	19-Aug-2014	19-Aug-2014	20-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	16-Aug-2014	14-Aug-2014	14-Aug-2014
Total Organic Carbon								19-Aug-2014		
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014

Lab Sample No(s)	9789646	9789628	9789632	9789357	9789362	9789367	9789371	9789376	9789381	9789386
Customer Sample Ref.	IP 2009	IP 2191	IP 2191	IP 3261	IP 3261	IP 3261	IP 3261	IP 3280	IP 3280	IP 3280
AGS Ref.										
Depth	0.50	0.50	1.50	0.50	1.00	2.00	3.00	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	19-Aug-2014	19-Aug-2014		19-Aug-2014	19-Aug-2014			19-Aug-2014		
EPH CWG (Aliphatic) GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
EPH CWG (Aromatic) GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
GRO by GC-FID (S)	27-Aug-2014	24-Aug-2014	27-Aug-2014	24-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014
Metals in solid samples by OES	22-Aug-2014	22-Aug-2014	22-Aug-2014	27-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014
PAH by GCMS	27-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014
pH	26-Aug-2014	26-Aug-2014	26-Aug-2014	27-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	22-Aug-2014	20-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014
Total Organic Carbon		26-Aug-2014		27-Aug-2014						
TPH CWG GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

Lab Sample No(s)	9789391	9789322	9789329	9789333	9789340	9789351	9795745	9795701	9789299	9789303
Customer Sample Ref.	IP 3280	IP 3313	IP 3313	IP 3313	IP 3313	IP 3313	IP 3322	IP 3324	IP 3331	IP 3331
AGS Ref.										
Depth	3.50	0.50	1.00	2.00	3.00	4.00	0.50	0.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		19-Aug-2014					26-Aug-2014	26-Aug-2014	19-Aug-2014	
Asbestos Quantification - Full									04-Sep-2014	
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	27-Aug-2014	27-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	27-Aug-2014	27-Aug-2014
GRO by GC-FID (S)	23-Aug-2014	23-Aug-2014	23-Aug-2014	22-Aug-2014	22-Aug-2014	23-Aug-2014	19-Aug-2014	20-Aug-2014	26-Aug-2014	23-Aug-2014
Metals in solid samples by OES	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	19-Aug-2014	19-Aug-2014	27-Aug-2014	22-Aug-2014
PAH by GCMS	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	20-Aug-2014	20-Aug-2014	27-Aug-2014	27-Aug-2014
pH	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	20-Aug-2014	21-Aug-2014	27-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	16-Aug-2014	16-Aug-2014	21-Aug-2014	19-Aug-2014
Total Organic Carbon							21-Aug-2014		27-Aug-2014	
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	27-Aug-2014	27-Aug-2014

Lab Sample No(s)	9789308	9789313	9789317	9795707	9795712	9795695	9789275	9789281	9789287	9789295
Customer Sample Ref.	IP 3331	IP 3331	IP 3331	IP 3369	IP 3369	IP 3370	IP 3437	IP 3437	IP 3437	IP 3437
AGS Ref.										
Depth	2.50	3.50	4.50	0.50	1.50	0.50	0.50	1.50	2.50	3.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*				26-Aug-2014		26-Aug-2014	19-Aug-2014			
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	22-Aug-2014	24-Aug-2014	24-Aug-2014	26-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	22-Aug-2014	24-Aug-2014	24-Aug-2014	26-Aug-2014
GRO by GC-FID (S)	23-Aug-2014	23-Aug-2014	23-Aug-2014	20-Aug-2014	21-Aug-2014	21-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014
Metals in solid samples by OES	22-Aug-2014	22-Aug-2014	22-Aug-2014	20-Aug-2014	20-Aug-2014	20-Aug-2014	20-Aug-2014	20-Aug-2014	21-Aug-2014	21-Aug-2014
PAH by GCMS	27-Aug-2014	27-Aug-2014	27-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	23-Aug-2014
pH	27-Aug-2014	26-Aug-2014	26-Aug-2014	21-Aug-2014	19-Aug-2014	19-Aug-2014	26-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	18-Aug-2014	18-Aug-2014	18-Aug-2014	16-Aug-2014	16-Aug-2014	16-Aug-2014	16-Aug-2014
Total Organic Carbon				21-Aug-2014						
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	23-Aug-2014	24-Aug-2014	24-Aug-2014	26-Aug-2014

Lab Sample No(s)	9789245	9789250	9789257	9789263	9789269	9789081	9789226	9789291	9789345	9789402
Customer Sample Ref.	IP 3462	IP 3462	IP 3462	IP 3462	IP 3462	IP 3464	IP 3464	IP 3464	IP 3464	IP 3464
AGS Ref.										
Depth	0.50	1.50	2.50	3.50	4.50	0.50	1.50	2.50	3.50	4.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	19-Aug-2014					19-Aug-2014				
EPH CWG (Aliphatic) GC (S)	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
EPH CWG (Aromatic) GC (S)	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
GRO by GC-FID (S)	24-Aug-2014	28-Aug-2014	26-Aug-2014	23-Aug-2014	26-Aug-2014	24-Aug-2014	24-Aug-2014	23-Aug-2014	24-Aug-2014	27-Aug-2014
Metals in solid samples by OES	22-Aug-2014	28-Aug-2014	20-Aug-2014	20-Aug-2014	20-Aug-2014	21-Aug-2014	20-Aug-2014	22-Aug-2014	20-Aug-2014	21-Aug-2014
PAH by GCMS	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	26-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	26-Aug-2014
pH	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	27-Aug-2014	26-Aug-2014	26-Aug-2014	27-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	20-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014
Total Organic Carbon	26-Aug-2014					26-Aug-2014				
TPH CWG GC (S)	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014

Lab Sample No(s)	9789208	9789212	9789216	9789220	9789236	9789085	9789241	9789452	9789503	9789557
Customer Sample Ref.	IP 3465	IP 3465	IP 3465	IP 3465	IP 3465	IP 3468	IP 3468	IP 3468	IP 3468	IP 3468
AGS Ref.										
Depth	0.50	1.50	2.50	3.50	4.50	4.50	4.00	0.50	1.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*	19-Aug-2014							19-Aug-2014		
EPH CWG (Aliphatic) GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014
EPH CWG (Aromatic) GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014
GRO by GC-FID (S)	24-Aug-2014	24-Aug-2014	26-Aug-2014	24-Aug-2014	24-Aug-2014	27-Aug-2014	27-Aug-2014	24-Aug-2014	23-Aug-2014	24-Aug-2014
Metals in solid samples by OES	22-Aug-2014	22-Aug-2014	22-Aug-2014	20-Aug-2014	20-Aug-2014	22-Aug-2014	20-Aug-2014	21-Aug-2014	22-Aug-2014	20-Aug-2014
PAH by GCMS	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	26-Aug-2014
pH	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	23-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014
Total Organic Carbon								26-Aug-2014		
TPH CWG GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014

CERTIFICATE OF ANALYSIS

SDG:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Lab Sample No(s)	9789617	9789139	9789188	9789196	9789200	9789204	9789442	9789480	9789484	9789489
Customer Sample Ref.	IP 3468	IP 3469	IP 3469	IP 3469	IP 3469	IP 3469	IP 3685	IP 3687	IP 3687	IP 3687
AGS Ref.										
Depth	3.50	0.50	1.50	2.50	3.50	4.50	0.50	0.20	1.20	1.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*		19-Aug-2014					19-Aug-2014	19-Aug-2014		
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014
GRO by GC-FID (S)	24-Aug-2014	23-Aug-2014	23-Aug-2014	24-Aug-2014	24-Aug-2014	27-Aug-2014	24-Aug-2014	23-Aug-2014	24-Aug-2014	24-Aug-2014
Metals in solid samples by OES	20-Aug-2014	22-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	22-Aug-2014	22-Aug-2014	20-Aug-2014	22-Aug-2014
PAH by GCMS	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014
pH	23-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	20-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014
Total Organic Carbon		26-Aug-2014								
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014

Lab Sample No(s)	9789492	9789499	9789507	9789471	9789475	9789447	9789456	9789461	9789467	9789423
Customer Sample Ref.	IP 3687	IP 3687	IP 3687	IP 3688	IP 3688	IP 3689	IP 3689	IP 3689	IP 3689	IP 3690
AGS Ref.										
Depth	2.50	3.30	3.60	0.80	1.80	0.50	1.50	2.50	3.50	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*				19-Aug-2014		19-Aug-2014				19-Aug-2014
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014
GRO by GC-FID (S)	24-Aug-2014	23-Aug-2014	24-Aug-2014	23-Aug-2014	23-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014	23-Aug-2014
Metals in solid samples by OES	20-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014	22-Aug-2014
PAH by GCMS	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014
pH	26-Aug-2014	27-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	20-Aug-2014
Total Organic Carbon						26-Aug-2014				
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014

Lab Sample No(s)	9789428	9789433	9789437	9789511	9789515	9789522	9789528	9789532	9789537	9789541
Customer Sample Ref.	IP 3690	IP 3690	IP 3690	IP 3705	IP 3705	IP 3705	IP 3705	IP 3705	IP 3706	IP 3706
AGS Ref.										
Depth	1.20	2.20	3.20	0.30	0.70	1.20	2.20	3.00	0.30	1.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*				19-Aug-2014	19-Aug-2014				19-Aug-2014	
EPH CWG (Aliphatic) GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
EPH CWG (Aromatic) GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
GRO by GC-FID (S)	24-Aug-2014	26-Aug-2014	24-Aug-2014	23-Aug-2014	24-Aug-2014	23-Aug-2014	23-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014
Metals in solid samples by OES	21-Aug-2014	22-Aug-2014	21-Aug-2014	20-Aug-2014	20-Aug-2014	28-Aug-2014	22-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014
PAH by GCMS	27-Aug-2014	27-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014
pH	27-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014
Total Organic Carbon					26-Aug-2014					
TPH CWG GC (S)	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014	28-Aug-2014

Lab Sample No(s)	9789546	9789551	9789563	9789568	9789573	9789577	9789582	9789397	9789406	9789411
Customer Sample Ref.	IP 3706	IP 3706	IP 3707	IP 3707	IP 3707	IP 3707	IP 3707	IP 3721	IP 3721	IP 3721
AGS Ref.										
Depth	2.30	3.30	0.20	0.60	1.00	2.00	2.70	0.20	1.00	2.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*			19-Aug-2014	19-Aug-2014	19-Aug-2014			19-Aug-2014	19-Aug-2014	
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014
GRO by GC-FID (S)	24-Aug-2014	24-Aug-2014	24-Aug-2014	23-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014
Metals in solid samples by OES	28-Aug-2014	28-Aug-2014	21-Aug-2014	21-Aug-2014	21-Aug-2014	22-Aug-2014	21-Aug-2014	28-Aug-2014	28-Aug-2014	26-Aug-2014
PAH by GCMS	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014
pH	27-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014
Total Organic Carbon				21-Aug-2014				26-Aug-2014		
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014

CERTIFICATE OF ANALYSIS

SDG: 140812-31 **Location:** Coed Darcy **Order Number:** CD0781
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 295494
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 282905

Lab Sample No(s)	9789415	9789419	9789591	9789597	9789601	9789606	9789611	9789623	9789089	9789095
Customer Sample Ref.	IP 3721	IP 3721	IP 3723	IP 3723	IP 3723	IP 3723	IP 3723	IP 3723	TPE 170	TPE 170
AGS Ref.										
Depth	2.50	3.00	0.30	0.80	1.20	1.70	2.70	3.70	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*			19-Aug-2014	19-Aug-2014					19-Aug-2014	
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014
GRO by GC-FID (S)	24-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014	24-Aug-2014	26-Aug-2014	23-Aug-2014	23-Aug-2014	23-Aug-2014
Metals in solid samples by OES	28-Aug-2014	28-Aug-2014	22-Aug-2014	22-Aug-2014	26-Aug-2014	21-Aug-2014	28-Aug-2014	20-Aug-2014	22-Aug-2014	22-Aug-2014
PAH by GCMS	27-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	27-Aug-2014	27-Aug-2014
pH	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	26-Aug-2014	23-Aug-2014	23-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	20-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014	20-Aug-2014	19-Aug-2014
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014	27-Aug-2014	27-Aug-2014	28-Aug-2014	28-Aug-2014

Lab Sample No(s)	9789100	9789105	9789638	9789642
Customer Sample Ref.	TPE 170	TPE 170	TPE 1013	TPE 1013
AGS Ref.				
Depth	2.50	3.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID
Asbestos fibres in Soil*			19-Aug-2014	
EPH CWG (Aliphatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014
EPH CWG (Aromatic) GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014
GRO by GC-FID (S)	23-Aug-2014	23-Aug-2014	24-Aug-2014	27-Aug-2014
Metals in solid samples by OES	21-Aug-2014	22-Aug-2014	21-Aug-2014	20-Aug-2014
PAH by GCMS	28-Aug-2014	27-Aug-2014	28-Aug-2014	26-Aug-2014
pH	23-Aug-2014	23-Aug-2014	26-Aug-2014	26-Aug-2014
Sample description	19-Aug-2014	19-Aug-2014	19-Aug-2014	19-Aug-2014
TPH CWG GC (S)	28-Aug-2014	28-Aug-2014	27-Aug-2014	28-Aug-2014

Derwentside Environmental Testing Services

Certificate of Analysis

Certificate Number 14-13065

18-Aug-14

Client	Alcontrol Laboratories Units 7 & 8 Hawarden Business Park Manor Road Hawarden Deeside CH5 3US
Our Reference	14-13065
Client Reference	140812-31
Contract Title	140812-31
Description	35 Soil samples.
Date Received	14-Aug-14
Date Started	14-Aug-14
Date Completed	18-Aug-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 14-13065
Client Ref 140812-31
Contract Title 140812-31

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
685600	9794862 0.50	SOIL	NAD	none	Andrew Little
685601	9794769 0.50	SOIL	NAD	none	Andrew Little
685602	9794856 0.50	SOIL	NAD	none	Andrew Little
685603	9794872 0.50	SOIL	NAD	none	Andrew Little
685604	9794869 0.50	SOIL	NAD	none	Andrew Little
685605	9794898 0.50	SOIL	NAD	none	Andrew Little
685606	9794925 0.50	SOIL	NAD	none	Andrew Little
685607	9794901 0.50	SOIL	NAD	none	Andrew Little
685608	9794721 0.50	SOIL	NAD	none	Andrew Little
685609	9794734 1.00	SOIL	NAD	none	Andrew Little
685610	9794818 0.50	SOIL	NAD	none	Jeff Cruddas
685611	9794800 0.50	SOIL	NAD	none	Jeff Cruddas
685612	9794792 0.50	SOIL	Chrysotile	Chrysotile present as fibre bundles	Jeff Cruddas
685613	9794823 0.50	SOIL	NAD	none	Jeff Cruddas
685614	9794933 0.50	SOIL	NAD	none	Jeff Cruddas
685615	9795123 0.50	SOIL	NAD	none	Jeff Cruddas
685616	9795807 0.50	SOIL	NAD	none	Jeff Cruddas
685617	9795118 0.50	SOIL	NAD	none	Jeff Cruddas
685618	9794947 0.50	SOIL	NAD	none	Jeff Cruddas
685619	9794975 0.50	SOIL	NAD	none	Jeff Cruddas
685620	9795056 0.250	SOIL	NAD	none	Jeff Cruddas
685621	9795062 0.80	SOIL	NAD	none	Jeff Cruddas
685622	9795096 0.50	SOIL	NAD	none	Jeff Cruddas
685623	9794983 0.20	SOIL	NAD	none	Jeff Cruddas
685624	9794923 0.30	SOIL	NAD	none	Jeff Cruddas
685625	9794957 0.70	SOIL	NAD	none	Jeff Cruddas
685626	9794951 0.30	SOIL	NAD	none	Jeff Cruddas
685627	9794891 0.20	SOIL	NAD	none	Jeff Cruddas
685628	9794899 0.60	SOIL	NAD	none	Jeff Cruddas
685629	9794910 1.00	SOIL	NAD	none	Jeff Cruddas
685630	9794873 0.20	SOIL	NAD	none	Jeff Cruddas
685631	9794833 1.00	SOIL	NAD	none	Jeff Cruddas
685632	9794913 0.30	SOIL	NAD	none	Jeff Cruddas
685633	9794919 0.80	SOIL	NAD	none	Jeff Cruddas
685634	9794846 0.50	SOIL	NAD	none	Jeff Cruddas

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 14-13065
Client Ref 140812-31
Contract 140812-31

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
685600	9794862 0.50 SOIL	08/08/14	PB to 250ml		
685601	9794769 0.50 SOIL	08/08/14	PB to 250ml		
685602	9794856 0.50 SOIL	08/08/14	PB to 250ml		
685603	9794872 0.50 SOIL	08/08/14	PB to 250ml		
685604	9794869 0.50 SOIL	08/08/14	PB to 250ml		
685605	9794898 0.50 SOIL	08/08/14	PB to 250ml		
685606	9794925 0.50 SOIL	08/08/14	PB to 250ml		
685607	9794901 0.50 SOIL	08/08/14	PB to 250ml		
685608	9794721 0.50 SOIL	08/08/14	PB to 250ml		
685609	9794734 1.00 SOIL	08/08/14	PB to 250ml		
685610	9794818 0.50 SOIL	08/08/14	PB to 250ml		
685611	9794800 0.50 SOIL	08/08/14	PB to 250ml		
685612	9794792 0.50 SOIL	08/08/14	PB to 250ml		
685613	9794823 0.50 SOIL	08/08/14	PB to 250ml		
685614	9794933 0.50 SOIL	08/08/14	PB to 250ml		
685615	9795123 0.50 SOIL	08/08/14	PB to 250ml		
685616	9795807 0.50 SOIL	08/08/14	PB to 250ml		
685617	9795118 0.50 SOIL	08/08/14	PB to 250ml		
685618	9794947 0.50 SOIL	08/08/14	PB to 250ml		
685619	9794975 0.50 SOIL	08/08/14	PB to 250ml		
685620	9795056 0.250 SOIL	08/08/14	PB to 250ml		
685621	9795062 0.80 SOIL	08/08/14	PB to 250ml		
685622	9795096 0.50 SOIL	08/08/14	PB to 250ml		
685623	9794983 0.20 SOIL	08/08/14	PB to 250ml		
685624	9794923 0.30 SOIL	08/08/14	PB to 250ml		
685625	9794957 0.70 SOIL	08/08/14	PB to 250ml		
685626	9794951 0.30 SOIL	08/08/14	PB to 250ml		
685627	9794891 0.20 SOIL	08/08/14	PB to 250ml		
685628	9794899 0.60 SOIL	08/08/14	PB to 250ml		
685629	9794910 1.00 SOIL	08/08/14	PB to 250ml		
685630	9794873 0.20 SOIL	08/08/14	PB to 250ml		
685631	9794833 1.00 SOIL	08/08/14	PB to 250ml		
685632	9794913 0.30 SOIL	08/08/14	PB to 250ml		
685633	9794919 0.80 SOIL	08/08/14	PB to 250ml		
685634	9794846 0.50 SOIL	08/08/14	PB to 250ml		

Key: P-Plastic B-Bottle

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:	140812-31	**Location:**	Coed Darcy	**Order Number:**	CD0781
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	295494
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	282905

Appendix

General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	13 November 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140722-32
Your Reference:	Site Wide Trial Pitting
Location:	Coed Darcy
Report No:	291717

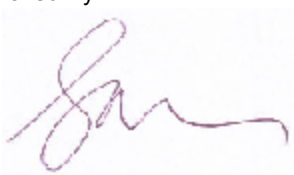
This report has been revised and directly supersedes 279324 in its entirety.

We received 104 samples on Tuesday July 22, 2014 and 104 of these samples were scheduled for analysis which was completed on Tuesday August 05, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan
Operations Manager

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

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
9663866	IP 194		0.50	18/07/2014
9663871	IP 194		1.50	18/07/2014
9663876	IP 194		2.50	18/07/2014
9663882	IP 194		3.50	18/07/2014
9663820	IP 198		0.50	18/07/2014
9663829	IP 198		1.50	18/07/2014
9663840	IP 198		2.50	18/07/2014
9663848	IP 198		3.50	18/07/2014
9663858	IP 198		4.50	18/07/2014
9663788	IP 202		2.50	18/07/2014
9663799	IP 202		3.50	18/07/2014
9663808	IP 202		4.50	18/07/2014
9663886	IP 212		0.50	18/07/2014
9663891	IP 212		1.50	18/07/2014
9663897	IP 212		2.50	18/07/2014
9663903	IP 212		3.50	18/07/2014
9663908	IP 212		4.50	18/07/2014
9663407	IP 1262		0.30	18/07/2014
9663543	IP 1262		0.70	18/07/2014
9663643	TPE 1714		0.50	18/07/2014
9663664	TPE 1716		0.50	18/07/2014
9663634	TPE 1717		0.50	18/07/2014
9663609	TPE 1718		0.50	18/07/2014
9663617	TPE 1718		1.50	18/07/2014
9663624	TPE 1718		2.50	18/07/2014
9663678	TPE 1731		0.50	18/07/2014
9663690	TPE 1731		1.50	18/07/2014
9663700	TPE 1731		2.50	18/07/2014
9663765	TPE 1732		0.50	18/07/2014
9663775	TPE 1732		1.00	18/07/2014
9663671	TPE 1733		0.50	18/07/2014
9663753	TPE 1734		0.50	18/07/2014
9663726	TPE 1735		0.50	18/07/2014
9663735	TPE 1735		1.50	18/07/2014
9663705	TPE 1736		0.50	18/07/2014
9663711	TPE 1736		1.50	18/07/2014
9663719	TPE 1736		2.50	18/07/2014
9664078	TPE 1778		0.50	18/07/2014
9664087	TPE 1778		1.50	18/07/2014
9664094	TPE 1778		3.00	18/07/2014
9664049	TPE 1780		0.50	18/07/2014
9664059	TPE 1780		1.50	18/07/2014
9664066	TPE 1780		2.50	18/07/2014
9664072	TPE 1780		4.00	18/07/2014
9663918	TPE 1783		0.50	18/07/2014
9663922	TPE 1783		1.50	18/07/2014
9663932	TPE 1783		2.50	18/07/2014
9663937	TPE 1783		3.50	18/07/2014
9663942	TPE 1783		4.50	18/07/2014
9663470	TPE 1785		0.50	18/07/2014
9663476	TPE 1785		1.50	18/07/2014
9663449	TPE 1786		1.00	18/07/2014
9663458	TPE 1786		2.00	18/07/2014
9663424	TPE 1787		0.50	18/07/2014
9663436	TPE 1787		1.50	18/07/2014
9663443	TPE 1787		2.50	18/07/2014

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

9664143	TPE 1801	0.50	18/07/2014
9664150	TPE 1801	1.50	18/07/2014
9664159	TPE 1801	3.50	18/07/2014
9664169	TPE 1802	1.00	18/07/2014
9664174	TPE 1802	2.50	18/07/2014
9664186	TPE 1802	3.50	18/07/2014
9663485	TPE 1803	1.00	18/07/2014
9663493	TPE 1803	2.00	18/07/2014
9663525	TPE 1804	0.20	18/07/2014
9663533	TPE 1804	0.70	18/07/2014
9663582	TPE 1805	0.50	18/07/2014
9663592	TPE 1805	1.00	18/07/2014
9663602	TPE 1805	3.00	18/07/2014
9663947	TPE 1806	0.50	18/07/2014
9663953	TPE 1806	1.50	18/07/2014
9663961	TPE 1806	2.50	18/07/2014
9663966	TPE 1806	3.50	18/07/2014
9663970	TPE 1806	4.50	18/07/2014
9663980	TPE 1808	0.50	18/07/2014
9663985	TPE 1808	1.50	18/07/2014
9663992	TPE 1808	2.50	18/07/2014
9663998	TPE 1808	3.50	18/07/2014
9664003	TPE 1808	4.50	18/07/2014
9664034	TPE 1809	0.50	18/07/2014
9664044	TPE 1809	1.50	18/07/2014
9664007	TPE 1811	0.50	18/07/2014
9664015	TPE 1811	1.50	18/07/2014
9664022	TPE 1811	2.50	18/07/2014
9664028	TPE 1811	4.00	18/07/2014
9663975	TPE 1816	0.20	18/07/2014
9664038	TPE 1816	1.00	18/07/2014
9664114	TPE 1816	1.50	18/07/2014
9663415	TPE 1816	2.80	18/07/2014
9663653	TPE 1817	0.30	18/07/2014
9663742	TPE 1817	0.80	18/07/2014
9663853	TPE 1817	1.50	18/07/2014
9663912	TPE 1817	2.50	18/07/2014
9663503	TPE 1818	0.20	18/07/2014
9663510	TPE 1818	0.40	18/07/2014
9663517	TPE 1818	0.70	18/07/2014
9663557	TPE 1819	0.30	18/07/2014
9663570	TPE 1819	1.20	18/07/2014
9664119	TPE 1820	0.50	18/07/2014
9664102	TPE 1821	0.50	18/07/2014
9664108	TPE 1821	1.50	18/07/2014
9664125	TPE 1822	0.50	18/07/2014
9664132	TPE 1822	1.50	18/07/2014
9664136	TPE 1822	2.50	18/07/2014

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

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9663866			9663871			9663876			9663882			9663820			9663829			9663840			9663848			9663858			9663788			9663799			9663808			9663886			9663891
Customer Sample Reference			IP 194			IP 194			IP 194			IP 194			IP 198			IP 198			IP 198			IP 198			IP 198			IP 202			IP 202			IP 202			IP 212			IP 212
AGS Reference																																										
Depth (m)			0.50			1.50			2.50			3.50			0.50			1.50			2.50			3.50			4.50			2.50			3.50			4.50			0.50			1.50
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 43		X												X																								X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 103	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 26	X						X									X																					X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

SOLID

Results Legend

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

Lab Sample No(s)			9663891		9663897			9663903			9663908			9663407			9663543			9663643			9663664			9663634			9663609			9663617			9663624			9663678			9663690	
Customer Sample Reference			IP 212		IP 212			IP 212			IP 212			IP 1262			IP 1262			TPE 1714			TPE 1716			TPE 1717			TPE 1718			TPE 1718			TPE 1718			TPE 1731			TPE 1731	
AGS Reference																																										
Depth (m)			1.50		2.50			3.50			4.50			0.30			0.70			0.50			0.50			0.50			0.50			1.50			2.50			0.50			1.50	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 43												X			X			X			X			X			X									X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	
PAH by GCMS	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 103			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 26															X			X									X													
TPH CWG GC (S)	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			9663690	9663700			9663765			9663775			9663671			9663753			9663726			9663735			9663705			9663711			9663719			9664078			9664087			9664094		
Customer Sample Reference			TPE 1731	TPE 1731			TPE 1732			TPE 1732			TPE 1733			TPE 1734			TPE 1735			TPE 1735			TPE 1736			TPE 1736			TPE 1736			TPE 1778			TPE 1778			TPE 1778		
AGS Reference																																										
Depth (m)			1.50	2.50			0.50			1.00			0.50			0.50			0.50			1.50			0.50			1.50			2.50			0.50			1.50			3.00		
Container			60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 43						X			X			X			X			X						X									X								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 103		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 26								X						X									X												X					
TPH CWG GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9664049			9664059			9664066			9664072			9663918			9663922			9663932			9663937			9663942			9663470			9663476			9663449			9663458			9663424
Customer Sample Reference			TPE 1780			TPE 1780			TPE 1780			TPE 1780			TPE 1783			TPE 1783			TPE 1783			TPE 1783			TPE 1783			TPE 1785			TPE 1785			TPE 1786			TPE 1786			TPE 1787
AGS Reference																																										
Depth (m)			0.50			1.50			2.50			4.00			0.50			1.50			2.50			3.50			4.50			0.50			1.50			1.00			2.00			0.50
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 43		X												X															X						X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 103	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 26	X												X																					X						
TPH CWG GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			9663424	TPE 1787		0.50	400g Tub (ALE214)
			9663436	TPE 1787		1.50	60g VOC (ALE215)
			9663443	TPE 1787		2.50	250g Amber Jar
			9664143	TPE 1801		0.50	400g Tub (ALE214)
			9664150	TPE 1801		1.50	60g VOC (ALE215)
			9664159	TPE 1801		3.50	250g Amber Jar
			9664169	TPE 1802		1.00	400g Tub (ALE214)
			9664174	TPE 1802		2.50	60g VOC (ALE215)
			9664186	TPE 1802		3.50	250g Amber Jar
			9663485	TPE 1803		1.00	400g Tub (ALE214)
			9663493	TPE 1803		2.00	60g VOC (ALE215)
			9663525	TPE 1804		0.20	250g Amber Jar
			9663533	TPE 1804		0.70	400g Tub (ALE214)
			9663582	TPE 1805		0.50	60g VOC (ALE215)
							250g Amber Jar
							400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 43	X				X				X				X				X				X				X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 104		X		X		X		X		X		X		X		X		X		X		X		X		X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 104		X		X		X		X		X		X		X		X		X		X		X		X		X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 104	X		X		X		X		X		X		X		X		X		X		X		X		X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 104		X		X		X		X		X		X		X		X		X		X		X		X		X	
PAH by GCMS	All	NDPs: 0 Tests: 104		X		X		X		X		X		X		X		X		X		X		X		X		X	
pH	All	NDPs: 0 Tests: 104	X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Sample description	All	NDPs: 0 Tests: 103		X		X		X		X		X		X		X		X		X		X		X		X		X	
Total Organic Carbon	All	NDPs: 0 Tests: 26												X				X										X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 104		X		X		X		X		X		X		X		X		X		X		X		X		X	

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			9663582	9663592			9663602			9663947			9663953			9663961			9663966			9663970			9663980			9663985			9663992			9663998			9664003			9664034		
Customer Sample Reference			TPE 1805	TPE 1805			TPE 1805			TPE 1806			TPE 1806			TPE 1806			TPE 1806			TPE 1806			TPE 1808			TPE 1808			TPE 1808			TPE 1808			TPE 1808			TPE 1809		
AGS Reference																																										
Depth (m)			0.50	1.00			3.00			0.50			1.50			2.50			3.50			4.50			0.50			1.50			2.50			3.50			4.50			0.50		
Container			60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 43			X						X																													X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 103		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 26								X						X																		X								
TPH CWG GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

SOLID

Results Legend

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

Lab Sample No(s)			9664044			9664007			9664015			9664022			9664028			9663975			9664038			9664114			9663415			9663653			9663742			9663853		9663912			9663503	
Customer Sample Reference			TPE 1809			TPE 1811			TPE 1811			TPE 1811			TPE 1811			TPE 1816			TPE 1816			TPE 1816			TPE 1816			TPE 1817			TPE 1817			TPE 1817		TPE 1817			TPE 1818	
AGS Reference																																										
Depth (m)			1.50			0.50			1.50			2.50			4.00			0.20			1.00			1.50			2.80			0.30			0.80			1.50		2.50			0.20	
Container			250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 43					X												X			X										X			X								X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X		X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X		X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X			X		X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X		X			X	
PAH by GCMS	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X		X			X	
pH	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X			X			X		X			X			X
Sample description	All	NDPs: 0 Tests: 103				X			X			X			X			X			X			X			X			X			X			X		X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 26				X						X						X																								
TPH CWG GC (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X			X		X			X	

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			9663503	TPE 1818		0.20	60g VOC (ALE215)
			9663510	TPE 1818		0.40	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9663517	TPE 1818		0.70	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9663557	TPE 1819		0.30	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9663570	TPE 1819		1.20	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9664119	TPE 1820		0.50	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9664102	TPE 1821		0.50	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9664108	TPE 1821		1.50	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9664125	TPE 1822		0.50	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9664132	TPE 1822		1.50	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			9664136	TPE 1822		2.50	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 43		X			X			X					X			X														
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X				
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X				
GRO by GC-FID (S)	All	NDPs: 0 Tests: 104	X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X				
PAH by GCMS	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X				
pH	All	NDPs: 0 Tests: 104			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 103		X			X			X			X			X			X			X			X			X				
Total Organic Carbon	All	NDPs: 0 Tests: 26				X								X								X										
TPH CWG GC (S)	All	NDPs: 0 Tests: 104		X			X			X			X			X			X			X			X			X				

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

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
9663866	IP 194	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9663871	IP 194	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9663876	IP 194	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9663882	IP 194	3.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation	Stones
9663820	IP 198	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9663829	IP 198	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663840	IP 198	2.50	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
9663848	IP 198	3.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9663858	IP 198	4.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
9663788	IP 202	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9663799	IP 202	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9663808	IP 202	4.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9663886	IP 212	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663891	IP 212	1.50	Black	Sandy Clay	0.1 - 2 mm	Oil/Petroleum	None
9663897	IP 212	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663903	IP 212	3.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Vegetation
9663908	IP 212	4.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
9663407	IP 1262	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9663543	IP 1262	0.70	Dark Brown	Sandy Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
9663643	TPE 1714	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9663664	TPE 1716	0.50	Light Brown	Sand	0.1 - 2 mm	Stones	None
9663634	TPE 1717	0.50	Light Brown	Sand	0.1 - 2 mm	Stones	None
9663609	TPE 1718	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9663617	TPE 1718	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9663624	TPE 1718	2.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9663678	TPE 1731	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9663690	TPE 1731	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9663700	TPE 1731	2.50	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
9663765	TPE 1732	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9663775	TPE 1732	1.00	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9663671	TPE 1733	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663753	TPE 1734	0.50	Light Brown	Sand	0.1 - 2 mm	Stones	Vegetation
9663726	TPE 1735	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663735	TPE 1735	1.50	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A
9663705	TPE 1736	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
9663711	TPE 1736	1.50	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	N/A
9663719	TPE 1736	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
9664078	TPE 1778	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation

CERTIFICATE OF ANALYSIS

SDG: 140722-32 **Location:** Coed Darcy **Order Number:** CD0753
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 291717
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 279324

			Colour	Description	Grain size	Inclusions	Inclusions 2
9664087	TPE 1778	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	N/A
9664094	TPE 1778	3.00	Dark Brown	Sandy Clay	0.063 - 0.1 mm	Stones	N/A
9664049	TPE 1780	0.50	Dark Brown	Gravel	2 - 10 mm	Stones	None
9664059	TPE 1780	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9664066	TPE 1780	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9664072	TPE 1780	4.00	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	None
9663918	TPE 1783	0.50	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663922	TPE 1783	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	None
9663932	TPE 1783	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	Stones
9663937	TPE 1783	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663942	TPE 1783	4.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9663470	TPE 1785	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9663476	TPE 1785	1.50	Dark Brown	Sandy Clay	0.063 - 0.1 mm	Stones	N/A
9663449	TPE 1786	1.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9663458	TPE 1786	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663424	TPE 1787	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9663436	TPE 1787	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9663443	TPE 1787	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9664143	TPE 1801	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9664150	TPE 1801	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9664159	TPE 1801	3.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
9664169	TPE 1802	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9664174	TPE 1802	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9664186	TPE 1802	3.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9663485	TPE 1803	1.00	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9663493	TPE 1803	2.00	Dark Brown	Sandy Clay	0.063 - 0.1 mm	Stones	N/A
9663525	TPE 1804	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9663533	TPE 1804	0.70	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663582	TPE 1805	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9663592	TPE 1805	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663602	TPE 1805	3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9663947	TPE 1806	0.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9663953	TPE 1806	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
9663961	TPE 1806	2.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663966	TPE 1806	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663970	TPE 1806	4.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9663980	TPE 1808	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9663985	TPE 1808	1.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Vegetation	None
9663992	TPE 1808	2.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
9663998	TPE 1808	3.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
9664003	TPE 1808	4.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG: 140722-32 **Location:** Coed Darcy **Order Number:** CD0753
Job: H_ATKINS_LDC-224 **Customer:** Atkins Global Ltd **Report Number:** 291717
Client Reference: Site Wide Trial Pitting **Attention:** Jack Lowrie **Superseded Report:** 279324

			Colour	Description	Grain size	Inclusions	Inclusions 2
9664034	TPE 1809	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
9664044	TPE 1809	1.50	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones	Fibres
9664007	TPE 1811	0.50	Light Brown	Sandy Clay Loam	0.1 - 2 mm	None	None
9664015	TPE 1811	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9664022	TPE 1811	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9664028	TPE 1811	4.00	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9663415	TPE 1816	2.80	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
9663975	TPE 1816	0.20	Light Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
9664038	TPE 1816	1.00	Light Brown	Clay	<0.063 mm	None	None
9664114	TPE 1816	1.50	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A
9663653	TPE 1817	0.30	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
9663742	TPE 1817	0.80	Light Brown	Sandy Clay	0.1 - 2 mm	None	None
9663853	TPE 1817	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	None	None
9663912	TPE 1817	2.50	Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	N/A
9663503	TPE 1818	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9663510	TPE 1818	0.40	Black	Sandy Silt Loam	0.1 - 2 mm	Vegetation	None
9663517	TPE 1818	0.70	Dark Brown	Loamy Sand	0.1 - 2 mm	Vegetation	None
9663557	TPE 1819	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
9663570	TPE 1819	1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9664119	TPE 1820	0.50	Light Brown	Sandy Clay	0.1 - 2 mm	Vegetation	Stones
9664102	TPE 1821	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
9664108	TPE 1821	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9664125	TPE 1822	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
9664132	TPE 1822	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
9664136	TPE 1822	2.50	Dark Brown	Sand	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:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 194	IP 194	IP 194	IP 194	IP 198	IP 198
			Depth (m)	0.50	1.50	2.50	3.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663866	9663871	9663876	9663882	9663820	9663829
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		19	17	13	11	9.9	17
Soil Organic Matter (SOM)	<0.35 %	TM132		1.06 #		1.83 #			22.1 #
pH	1 pH Units	TM133		6.65 M	5.61 M	5.2 M	6.52 M	6.48 M	4.31 M
Arsenic	<0.6 mg/kg	TM181		95.8 M	9.85 M	10.2 M	12.4 M	20 M	31.9 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	<0.02 M	0.155 M	0.876 M
Chromium	<0.9 mg/kg	TM181		14.8 M	16 M	15.2 M	13.3 M	13.2 M	16.2 M
Copper	<1.4 mg/kg	TM181		61.6 M	29.6 M	17.9 M	11.7 M	56.3 M	40.9 M
Lead	<0.7 mg/kg	TM181		307 M	14.7 M	17.2 M	13.9 M	46.7 M	37.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.9 M	30.9 M	24.3 M	27.1 M	28.3 M	42.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.9 #	20.8 #	18.9 #	19.3 #	17.5 #	24 #
Zinc	<1.9 mg/kg	TM181		87.6 M	92.1 M	65.1 M	86 M	125 M	130 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 198	IP 198	IP 198	IP 202	IP 202	IP 202
			Depth (m)	2.50	3.50	4.50	2.50	3.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663840	9663848	9663858	9663788	9663799	9663808
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		18	16	11	18	14	15
pH	1 pH Units	TM133		5.41 M	6.1 M	6.57 M	4.96 M	5.66 M	5.32 M
Arsenic	<0.6 mg/kg	TM181		15.4 M	10.3 M	9.77 M	109 M	17.7 M	34.6 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	0.239 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		11.2 M	11 M	3.88 M	14.4 M	13.7 M	13.5 M
Copper	<1.4 mg/kg	TM181		3.73 M	46.6 M	37.9 M	187 M	32.6 M	56.1 M
Lead	<0.7 mg/kg	TM181		10.6 M	20.6 M	21 M	75 M	21.7 M	30.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.189 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		14.3 M	31.4 M	9.77 M	17.7 M	26.2 M	22.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.68 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.8 #	16.1 #	9.89 #	20 #	20.6 #	20.2 #
Zinc	<1.9 mg/kg	TM181		29.5 M	69.9 M	21.9 M	88.2 M	117 M	90 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 212	IP 212	IP 212	IP 212	IP 212	IP 1262
			Depth (m)	0.50	1.50	2.50	3.50	4.50	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663886	9663891	9663897	9663903	9663908	9663407
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		6.1	21	11	15	10	16
Soil Organic Matter (SOM)	<0.35 %	TM132		3.74 #					
pH	1 pH Units	TM133		7.28 M	6.41 M	5.59 M	5.77 M	6.77 M	7.53 M
Arsenic	<0.6 mg/kg	TM181		14.5 M	9.55 M	8.05 M	21.4 M	10.7 M	19.3 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.124 M	<0.02 M	<0.02 M	<0.02 M	0.684 M
Chromium	<0.9 mg/kg	TM181		13.9 M	14.5 M	13 M	41.1 M	12.1 M	15.1 M
Copper	<1.4 mg/kg	TM181		38.1 M	26 M	14.3 M	31.9 M	21.3 M	57.9 M
Lead	<0.7 mg/kg	TM181		49.3 M	23.7 M	13.1 M	30.4 M	14.3 M	57.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.192 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		27.3 M	16 M	24.3 M	26.3 M	31.3 M	31.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21.5 #	17.9 #	15.4 #	21.3 #	15.3 #	18.4 #
Zinc	<1.9 mg/kg	TM181		113 M	61.8 M	65.2 M	99.6 M	73.5 M	159 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 1262	TPE 1714	TPE 1716	TPE 1717	TPE 1718	TPE 1718
			Depth (m)	0.70	0.50	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663543	9663643	9663664	9663634	9663609	9663617
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		16	8.6	6.3	9.3	9.4	11
Soil Organic Matter (SOM)	<0.35 %	TM132		7.14 #	1.65 #			0.555 #	
pH	1 pH Units	TM133		7.43 M	5.8 M	7.48 M	6.78 M	6.79 M	6.61 M
Arsenic	<0.6 mg/kg	TM181		24.5 M	33.3 M	112 M	3.87 M	18 M	16.7 M
Cadmium	<0.02 mg/kg	TM181		0.641 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M	0.9 M
Chromium	<0.9 mg/kg	TM181		11.4 M	13.9 M	26.1 M	9.28 M	11.5 M	12.7 M
Copper	<1.4 mg/kg	TM181		61 M	210 M	1360 M	2.95 M	31.1 M	30 M
Lead	<0.7 mg/kg	TM181		81.7 M	105 M	281 M	9.36 M	24.4 M	23.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.7 M	22.6 M	59.9 M	21.3 M	23 M	23 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.7 #	17.6 #	33.6 #	11.4 #	15.6 #	15.1 #
Zinc	<1.9 mg/kg	TM181		155 M	104 M	307 M	60 M	90.1 M	91.2 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1718	TPE 1731	TPE 1731	TPE 1731	TPE 1732	TPE 1732
			Depth (m)	2.50	0.50	1.50	2.50	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663624	9663678	9663690	9663700	9663765	9663775
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	10	12	8.9	12	7
Soil Organic Matter (SOM)	<0.35 %	TM132							7.95 #
pH	1 pH Units	TM133		6.52 M	6.51 M	6.3 M	6.76 M	6.45 M	6.86 M
Arsenic	<0.6 mg/kg	TM181		16.9 M	21.7 M	25.9 M	10.7 M	7.88 M	10.9 M
Cadmium	<0.02 mg/kg	TM181		0.845 M	<0.02 M	0.199 M	<0.02 M	0.0992 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		14.4 M	11.5 M	12.1 M	11.2 M	9.29 M	7.3 M
Copper	<1.4 mg/kg	TM181		50.7 M	37.2 M	46.5 M	21.6 M	8.22 M	11.7 M
Lead	<0.7 mg/kg	TM181		32.4 M	34.7 M	28.8 M	17.4 M	11.5 M	14.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.2 M	21 M	22.1 M	25.5 M	14.8 M	26.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		17.6 #	15.5 #	14.1 #	12.2 #	13 #	12.6 #
Zinc	<1.9 mg/kg	TM181		104 M	92.8 M	105 M	126 M	131 M	63.2 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1733	TPE 1734	TPE 1735	TPE 1735	TPE 1736	TPE 1736
			Depth (m)	0.50	0.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663671	9663753	9663726	9663735	9663705	9663711
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.1	5.1	14	5.1	10	7.5
Soil Organic Matter (SOM)	<0.35 %	TM132			6.29 #			4.41 #	
pH	1 pH Units	TM133		6.59 M	6.65 M	5.86 M	6.53 M	6.48 M	6.45 M
Arsenic	<0.6 mg/kg	TM181		5.72 M	4.31 M	8.31 M	5.02 M	13.4 M	5.56 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	0.267 M	<0.02 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		6.66 M	7.89 M	15.6 M	11.2 M	10.7 M	8.68 M
Copper	<1.4 mg/kg	TM181		6.89 M	6.85 M	10.1 M	8.73 M	29.2 M	7.13 M
Lead	<0.7 mg/kg	TM181		5.26 M	11.5 M	13.3 M	6.11 M	16.3 M	7.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.1 M	21.2 M	28.1 M	23.8 M	24.4 M	17.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		7.06 #	8.59 #	19.7 #	11.9	15.6 #	10.9 #
Zinc	<1.9 mg/kg	TM181		59.9 M	59.7 M	176 M	47.6 M	60.9 M	69.2 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1736	TPE 1778	TPE 1778	TPE 1778	TPE 1780	TPE 1780
			Depth (m)	2.50	0.50	1.50	3.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663719	9664078	9664087	9664094	9664049	9664059
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		9	2.9	14	16	11	10
Soil Organic Matter (SOM)	<0.35 %	TM132				1.61 #		5.48 #	
pH	1 pH Units	TM133		5.9 M	6.78 M	4.96 M	5.63 M	8.42 #	5.97 M
Arsenic	<0.6 mg/kg	TM181		<6 M	11 M	8.22 M	6.41 M	48.9 #	6.01 M
Cadmium	<0.02 mg/kg	TM181		<0.2 M	<0.02 M	<0.02 M	<0.02 M	<0.02 #	<0.02 M
Chromium	<0.9 mg/kg	TM181		9.21 M	11.9 M	13.8 M	11.6 M	21.5 #	15.1 M
Copper	<1.4 mg/kg	TM181		<14 M	24.2 M	15.5 M	7.89 M	1400 #	16.5 M
Lead	<0.7 mg/kg	TM181		24 M	24.4 M	14.4 M	12.7 M	491 #	14.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 #	<0.14 M
Nickel	<0.2 mg/kg	TM181		32.2 M	29.5 M	17.1 M	27.4 M	152 #	23.5 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.8 #	12.8 #	16.3 #	15 #	29.7 #	18.7 #
Zinc	<1.9 mg/kg	TM181		74.3 M	76.1 M	37 M	56.3 M	1950 #	57 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1780	TPE 1780	TPE 1783	TPE 1783	TPE 1783	TPE 1783
			Depth (m)	2.50	4.00	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9664066	9664072	9663918	9663922	9663932	9663937
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	11	11	14	12	13
Soil Organic Matter (SOM)	<0.35 %	TM132				0.895 #			
pH	1 pH Units	TM133		6.49 M	6.1 M	6.63 M	5.81 M	6.42 M	6.39 M
Arsenic	<0.6 mg/kg	TM181		15.9 M	5.37 M	9.28 M	11.9 M	8.07 M	7.71 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		9.46 M	7.34 M	8.82 M	15.2 M	9.98 M	9.57 M
Copper	<1.4 mg/kg	TM181		75.4 M	6.9 M	15.5 M	23.6 M	12.6 M	10.3 M
Lead	<0.7 mg/kg	TM181		20.6 M	7.78 M	13.2 M	20.3 M	12.1 M	11 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		32.6 M	27 M	19.5 M	18.7 M	19.3 M	21.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		9.63 #	7.71 #	11 #	18.1 #	11.1 #	9.64 #
Zinc	<1.9 mg/kg	TM181		135 M	69.6 M	70 M	59 M	59.7 M	64.1 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1783	TPE 1785	TPE 1785	TPE 1786	TPE 1786	TPE 1787
			Depth (m)	4.50	0.50	1.50	1.00	2.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663942	9663470	9663476	9663449	9663458	9663424
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	10	10	9	14	13
Soil Organic Matter (SOM)	<0.35 %	TM132					2.03 #		
pH	1 pH Units	TM133		6.5 M	7.07 M	6.82 M	6.11 M	5.79 M	5.78 M
Arsenic	<0.6 mg/kg	TM181		7.34 M	7.99 M	8.4 M	20.3 M	8.93 M	21 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	<0.02 M	0.392 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		9.98 M	9.2 M	10.2 M	11 M	15 M	11.3 M
Copper	<1.4 mg/kg	TM181		9.42 M	13.3 M	9.57 M	35.2 M	10.4 M	38.7 M
Lead	<0.7 mg/kg	TM181		11.8 M	21.5 M	10.6 M	27 M	13 M	33.9 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 M	16.7 M	26.8 M	22.2 M	17.8 M	16.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11 #	10.5 #	11 #	16.1 #	17.9 #	16.6 #
Zinc	<1.9 mg/kg	TM181		63.1 M	64.7 M	66.5 M	86.1 M	50.1 M	87.4 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1787	TPE 1787	TPE 1801	TPE 1801	TPE 1801	TPE 1802
			Depth (m)	1.50	2.50	0.50	1.50	3.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663436	9663443	9664143	9664150	9664159	9664169
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		17	12	11	13	8.8	14
Soil Organic Matter (SOM)	<0.35 %	TM132							2.12 #
pH	1 pH Units	TM133		5.98 M	5.64 M	7.23 M	7.3 M	5.71 M	6.6 M
Arsenic	<0.6 mg/kg	TM181		9.01 M	21.6 M	26.1 M	21.6 M	9.88 M	36.3 M
Cadmium	<0.02 mg/kg	TM181		0.396 M	0.909 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		15.8 M	13.5 M	12 M	12.5 M	13.5 M	14 M
Copper	<1.4 mg/kg	TM181		9.11 M	41.3 M	44.5 M	41.7 M	16.6 M	63.7 M
Lead	<0.7 mg/kg	TM181		15 M	26.7 M	28.1 M	22.1 M	12.6 M	41.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		16.9 M	20.8 M	23.5 M	21.5 M	26.7 M	21.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.7 #	17 #	14.8 #	15.1 #	14.6 #	18.5 #
Zinc	<1.9 mg/kg	TM181		53.3 M	99.5 M	88.6 M	81.5 M	75.9 M	90.7 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1802	TPE 1802	TPE 1803	TPE 1803	TPE 1804	TPE 1804
			Depth (m)	2.50	3.50	1.00	2.00	0.20	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9664174	9664186	9663485	9663493	9663525	9663533
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	12	8.3	4.6	7.1	9.7
Soil Organic Matter (SOM)	<0.35 %	TM132				0.746 #			
pH	1 pH Units	TM133		6.56 M	5.78 M	6.44 M	4.66 M	6.54 M	6.44 M
Arsenic	<0.6 mg/kg	TM181		16.1 M	8.16 M	8.74 M	6.03 M	8.18 M	6.91 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		12.5 M	10.6 M	9.16 M	11.1 M	9.55 M	8.28 M
Copper	<1.4 mg/kg	TM181		33.1 M	11.7 M	12.3 M	4.48 M	14.3 M	10.2 M
Lead	<0.7 mg/kg	TM181		19.7 M	10.6 M	15.7 M	12.2 M	29.8 M	10.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		21.4 M	23.9 M	19.4 M	26 M	22.1 M	23 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.2 #	11.9 #	10.4 #	10.3 #	10.8 #	9.93 #
Zinc	<1.9 mg/kg	TM181		75.1 M	71.4 M	60.5 M	62.8 M	67.5 M	69.6 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1805	TPE 1805	TPE 1805	TPE 1806	TPE 1806	TPE 1806
			Depth (m)	0.50	1.00	3.00	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663582	9663592	9663602	9663947	9663953	9663961
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		18	9.3	12	20	12	11
Soil Organic Matter (SOM)	<0.35 %	TM132		1.05 #			1.9 #		0.86 #
pH	1 pH Units	TM133		6.49 M	6.19 M	6.08 M	6.33 M	6.24 M	5.79 M
Arsenic	<0.6 mg/kg	TM181		23.6 M	7.9 M	7.27 M	9.92 M	7.07 M	8.27 M
Cadmium	<0.02 mg/kg	TM181		0.238 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		12.9 M	9.1 M	10.4 M	15.1 M	14.1 M	10.3 M
Copper	<1.4 mg/kg	TM181		61 M	8.9 M	10.8 M	5.96 M	13.1 M	9.48 M
Lead	<0.7 mg/kg	TM181		130 M	9.88 M	12.7 M	14.7 M	13.5 M	10.7 M
Mercury	<0.14 mg/kg	TM181		1.75 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		19.3 M	17.4 M	23.7 M	15.3 M	21.1 M	26.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.1 #	11.1 #	12.1 #	25.8 #	15.1 #	10.8 #
Zinc	<1.9 mg/kg	TM181		214 M	60.4 M	62.8 M	27.2 M	52.5 M	63.4 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1806	TPE 1806	TPE 1808	TPE 1808	TPE 1808	TPE 1808
			Depth (m)	3.50	4.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663966	9663970	9663980	9663985	9663992	9663998
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		11	12	12	20	12	13
Soil Organic Matter (SOM)	<0.35 %	TM132							1.09 #
pH	1 pH Units	TM133		5.66 M	5.85 M	6.07 M	6.06 M	5.78 M	5.69 M
Arsenic	<0.6 mg/kg	TM181		8.67 M	7.69 M	14.7 M	10.4 M	8.47 M	10.5 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		9.86 M	8.21 M	13 M	15.3 M	13 M	8.77 M
Copper	<1.4 mg/kg	TM181		9.22 M	8.25 M	31.6 M	5.11 M	17 M	10.2 M
Lead	<0.7 mg/kg	TM181		10.1 M	9.62 M	21.5 M	13.8 M	13.8 M	10.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26 M	26.2 M	18.6 M	14.1 M	26.8 M	23.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11.5 #	11.6 #	15.6 #	28.3 #	15.7 #	9.63 #
Zinc	<1.9 mg/kg	TM181		64 M	69.9 M	62.7 M	23.3 M	64.4 M	64.4 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1808	TPE 1809	TPE 1809	TPE 1811	TPE 1811	TPE 1811
			Depth (m)	4.50	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9664003	9664034	9664044	9664007	9664015	9664022
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	16	17	13	10	12
Soil Organic Matter (SOM)	<0.35 %	TM132					2.41 #		1.47 #
pH	1 pH Units	TM133		6.1 M	6.37 M	6.15 M	7.91 M	6.1 M	6.33 M
Arsenic	<0.6 mg/kg	TM181		8.33 M	40.1 M	24.4 M	13.8 M	8.2 M	6.08 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.0302 M	<0.02 M	0.174 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		9.57 M	25.7 M	20.4 M	12.9 M	11.4 M	12 M
Copper	<1.4 mg/kg	TM181		9.21 M	648 M	212 M	27.9 M	9.9 M	8.1 M
Lead	<0.7 mg/kg	TM181		10.2 M	235 M	123 M	41.7 M	11.6 M	9.86 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		26.4 M	56.5 M	41.4 M	21.9 M	25.8 M	32.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11.6 #	24.6 #	21.4 #	16.9 #	12.3 #	12.8 #
Zinc	<1.9 mg/kg	TM181		70.4 M	411 M	175 M	111 M	63 M	64.2 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1811	TPE 1816	TPE 1816	TPE 1816	TPE 1816	TPE 1817
			Depth (m)	4.00	0.20	1.00	1.50	2.80	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9664028	9663975	9664038	9664114	9663415	9663653
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	8.5	14	9.3	11	18
Soil Organic Matter (SOM)	<0.35 %	TM132			15.8 #				
pH	1 pH Units	TM133		6.43 M	6.05 M	5.64 M	5.61 M	5.67 M	5.36 M
Arsenic	<0.6 mg/kg	TM181		6.46 M	21.7 M	6.9 M	7.53 M	7.55 M	50.2 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.286 M	<0.02 M	<0.02 M	<0.02 M	0.253 M
Chromium	<0.9 mg/kg	TM181		11.8 M	24.9 M	15.9 M	12.1 M	10.1 M	7.2 M
Copper	<1.4 mg/kg	TM181		7.99 M	50.4 M	10.6 M	8.31 M	7.75 M	96.6 M
Lead	<0.7 mg/kg	TM181		10.9 M	>500 M	17.9 M	10.9 M	9.65 M	37.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.299 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.6 M	19.9 M	14.6 M	20.6 M	25.7 M	7.69 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.6 #	18.8 #	17 #	13.5	13.2 #	11.9 #
Zinc	<1.9 mg/kg	TM181		66.3 M	147 M	32.3 M	50 M	65.9 M	58.2 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1817	TPE 1817	TPE 1817	TPE 1818	TPE 1818	TPE 1818
			Depth (m)	0.80	1.50	2.50	0.20	0.40	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663742	9663853	9663912	9663503	9663510	9663517
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	12	11	13	67	15
Soil Organic Matter (SOM)	<0.35 %	TM132							2.47 #
pH	1 pH Units	TM133		6.16 M	6.04 M	6.47 M	6.35 M	4.09 M	6.4 M
Arsenic	<0.6 mg/kg	TM181		7.32 M	8.1 M	10 M	21.3 M	53.8 M	13.2 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	0.088 M	2.72 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		14.2 M	9.44 M	9.26 M	13.8 M	20.7 M	15 M
Copper	<1.4 mg/kg	TM181		4.15 M	7.13 M	22.7 M	46.6 M	48.1 M	21 M
Lead	<0.7 mg/kg	TM181		12.8 M	9.52 M	20.5 M	73.2 M	329 M	32.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	0.208 M
Nickel	<0.2 mg/kg	TM181		13.6 M	14.8 M	20.5 M	21.6 M	45.6 M	20.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.4 #	10.3 #	10.8	17.7 #	24.6 #	19.8 #
Zinc	<1.9 mg/kg	TM181		35.4 M	48.7 M	61.3 M	132 M	383 M	84.4 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1819	TPE 1819	TPE 1820	TPE 1821	TPE 1821	TPE 1822
			Depth (m)	0.30	1.20	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663557	9663570	9664119	9664102	9664108	9664125
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		6.6	10	8	7.5	12	8.9
Soil Organic Matter (SOM)	<0.35 %	TM132				1.72 #			1.37 #
pH	1 pH Units	TM133		6.58 M	6.13 M	6.63 M	6.76 M	6.52 M	7.13 M
Arsenic	<0.6 mg/kg	TM181		15.8 M	12 M	24.8 M	12.8 M	8.42 M	10.2 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M	<0.02 M	0.113 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		11.7 M	13.3 M	13.2 M	13.1 M	10.6 M	11.7 M
Copper	<1.4 mg/kg	TM181		30.7 M	21 M	48.7 M	20.7 M	12.3 M	19.6 M
Lead	<0.7 mg/kg	TM181		72.4 M	24.7 M	29 M	58.7 M	16 M	14.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		21.2 M	21.9 M	22.6 M	25.7 M	23.8 M	21.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.5 #	15.9 #	17.1 #	15.4 #	12.7 #	14.2 #
Zinc	<1.9 mg/kg	TM181		91.9 M	75.1 M	109 M	138 M	71.7 M	79.9 M

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1822	TPE 1822				
			Depth (m)	1.50	2.50				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	18/07/2014	18/07/2014				
			Sample Time	.	.				
			Date Received	22/07/2014	22/07/2014				
			SDG Ref	140722-32	140722-32				
			Lab Sample No.(s)	9664132	9664136				
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		12	12				
pH	1 pH Units	TM133		7.68 M	6 M				
Arsenic	<0.6 mg/kg	TM181		13.9 M	8.03 M				
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M				
Chromium	<0.9 mg/kg	TM181		13.8 M	11.2 M				
Copper	<1.4 mg/kg	TM181		23.4 M	12.8 M				
Lead	<0.7 mg/kg	TM181		16.9 M	10.3 M				
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M				
Nickel	<0.2 mg/kg	TM181		21.9 M	25.2 M				
Selenium	<1 mg/kg	TM181		<1 #	<1 #				
Vanadium	<0.2 mg/kg	TM181		17 #	12.4 #				
Zinc	<1.9 mg/kg	TM181		89.1 M	65.3 M				

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 194	IP 194	IP 194	IP 194	IP 198	IP 198
			Depth (m)	0.50	1.50	2.50	3.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663866	9663871	9663876	9663882	9663820	9663829
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	88.2	86.1	108	94.2	106
Acenaphthene-d10 % recovery**	%	TM218		101	90.1	86.9	107	93.9	104
Phenanthrene-d10 % recovery**	%	TM218		99	90	87.5	107	92.8	105
Chrysene-d12 % recovery**	%	TM218		92.1	82.8	81.3	96.6	89.3	95.4
Perylene-d12 % recovery**	%	TM218		90.1	86.4	86	97.2	94.3	99.9
Naphthalene	<9 µg/kg	TM218		48.1 M	31 M	17.7 M	48.8 M	301 M	214 @ M
Acenaphthylene	<12 µg/kg	TM218		163 M	<12 M	<12 M	<12 M	33.4 M	364 @ M
Acenaphthene	<8 µg/kg	TM218		14.5 M	<8 M	<8 M	<8 M	30.6 M	55.6 @ M
Fluorene	<10 µg/kg	TM218		49.1 M	<10 M	<10 M	<10 M	42.5 M	96.9 @ M
Phenanthrene	<15 µg/kg	TM218		822 M	46.4 M	34.1 M	98.2 M	883 M	552 @ M
Anthracene	<16 µg/kg	TM218		136 M	<16 M	<16 M	<16 M	112 M	233 @ M
Fluoranthene	<17 µg/kg	TM218		1130 M	<17 M	22.5 M	38.9 M	1310 M	1690 @ M
Pyrene	<15 µg/kg	TM218		858 M	<15 M	<15 M	27.1 M	968 M	1200 @ M
Benz(a)anthracene	<14 µg/kg	TM218		510 M	<14 M	<14 M	<14 M	727 M	813 @ M
Chrysene	<10 µg/kg	TM218		747 M	13.1 M	20.9 M	52.1 M	1120 M	937 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1280 M	<15 M	31.5 M	53.3 M	1720 M	1600 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		409 M	<14 M	<14 M	<14 M	464 M	506 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		554 M	<15 M	<15 M	<15 M	786 M	913 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		423 M	<18 M	<18 M	<18 M	578 M	574 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		182 M	<23 M	<23 M	<23 M	249 M	210 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		470 M	<24 M	<24 M	<24 M	627 M	650 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		7790	<118	127	318	9950	10600

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 198	IP 198	IP 198	IP 202	IP 202	IP 202
			Depth (m)	2.50	3.50	4.50	2.50	3.50	4.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663840	9663848	9663858	9663788	9663799	9663808
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		83.3	82.7	104	107	104	101
Acenaphthene-d10 % recovery**	%	TM218		82.8	84.1	101	103	104	96
Phenanthrene-d10 % recovery**	%	TM218		81.9	83.5	100	100	103	93
Chrysene-d12 % recovery**	%	TM218		75	74.7	87	89.8	94.5	82.6
Perylene-d12 % recovery**	%	TM218		77.3	72.9	74.6	78.6	95.4	74.2
Naphthalene	<9 µg/kg	TM218		27.4 M	29.8 M	169 M	25 M	38.5 M	28.2 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	28.5 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	20.8 M	16.8 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		24.7 M	537 M	1010 M	137 M	171 M	174 M
Anthracene	<16 µg/kg	TM218		<16 M	29.3 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	214 M	192 M	40.2 M	54.9 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	560 M	762 M	20.4 M	35 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	67.6 M	<14 M	<14 M	<14 M	22.6 M
Chrysene	<10 µg/kg	TM218		<10 M	423 M	759 M	67.6 M	76.3 M	70.7 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	548 M	980 M	54.4 M	75 M	42.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	80.2 M	102 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	73.9 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	61.2 M	29.9 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	57.7 M	54.7 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	114 M	149 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	2840	4220	345	451	338

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 212	IP 212	IP 212	IP 212	IP 212	IP 1262
			Depth (m)	0.50	1.50	2.50	3.50	4.50	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663886	9663891	9663897	9663903	9663908	9663407
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.7	107	107	109	106	93.9
Acenaphthene-d10 % recovery**	%	TM218		102	117	107	110	106	93.6
Phenanthrene-d10 % recovery**	%	TM218		103	116	105	107	105	92.6
Chrysene-d12 % recovery**	%	TM218		105	111	98.5	100	96	92.3
Perylene-d12 % recovery**	%	TM218		109	113	102	104	94.5	99.8
Naphthalene	<9 µg/kg	TM218		33.7 M	191 M	57.9 M	82.8 M	35.4 M	99.2 M
Acenaphthylene	<12 µg/kg	TM218		20.6 M	144 M	37.2 M	129 M	16.2 M	122 M
Acenaphthene	<8 µg/kg	TM218		18.5 M	430 M	15.7 M	42.6 M	12.7 M	144 M
Fluorene	<10 µg/kg	TM218		<10 M	1590 M	<10 M	54.5 M	23 M	170 M
Phenanthrene	<15 µg/kg	TM218		210 M	1780 M	152 M	298 M	283 M	1820 M
Anthracene	<16 µg/kg	TM218		76.4 M	1120 M	50.3 M	100 M	20 M	448 M
Fluoranthene	<17 µg/kg	TM218		535 M	493 M	417 M	703 M	170 M	3940 M
Pyrene	<15 µg/kg	TM218		445 M	485 M	363 M	508 M	139 M	2710 M
Benz(a)anthracene	<14 µg/kg	TM218		271 M	151 M	278 M	410 M	55.5 M	2710 M
Chrysene	<10 µg/kg	TM218		313 M	145 M	325 M	505 M	285 M	2560 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		464 M	182 M	545 M	823 M	275 M	4060 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		181 M	62.5 M	198 M	294 M	43.9 M	1300 M
Benzo(a)pyrene	<15 µg/kg	TM218		218 M	81.4 M	304 M	487 M	47.1 M	2330 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		141 M	47.9 M	187 M	323 M	32.3 M	1450 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		55.4 M	<23 M	72.7 M	122 M	26.3 M	618 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		182 M	63.1 M	226 M	369 M	54.3 M	1480 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3160	6960	3230	5250	1520	26000

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	IP 1262	TPE 1714	TPE 1716	TPE 1717	TPE 1718	TPE 1718
			Depth (m)	0.70	0.50	0.50	0.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663543	9663643	9663664	9663634	9663609	9663617
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.7	98.1	96	96.5	94.8	83.1
Acenaphthene-d10 % recovery**	%	TM218		93.6	98.5	100	101	99.4	83.6
Phenanthrene-d10 % recovery**	%	TM218		92.7	96.1	96.9	100	97.9	83.2
Chrysene-d12 % recovery**	%	TM218		90.6	86.1	87.3	91.3	84.8	76
Perylene-d12 % recovery**	%	TM218		99.5	83.7	88.6	94.8	90.4	79.3
Naphthalene	<9 µg/kg	TM218		156 M	12.4 M	16.8 M	<9 M	11.3 M	14.3 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	16.6 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		17.7 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		203 M	118 M	71.4 M	38.7 M	117 M	127 M
Anthracene	<16 µg/kg	TM218		32.8 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		319 M	46 M	47.1 M	<17 M	35 M	23.4 M
Pyrene	<15 µg/kg	TM218		295 M	32.2 M	32.2 M	<15 M	25.6 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		212 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		277 M	67.9 M	42.1 M	<10 M	73 M	53 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		547 M	65.4 M	53.3 M	<15 M	58.7 M	42.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		185 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		283 M	<15 M	26.7 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		249 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		82.8 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		294 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		3150	342	290	<118	320	260

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1718	TPE 1731	TPE 1731	TPE 1731	TPE 1732	TPE 1732
			Depth (m)	2.50	0.50	1.50	2.50	0.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663624	9663678	9663690	9663700	9663765	9663775
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		82.8	101	103	102	99.9	98.2
Acenaphthene-d10 % recovery**	%	TM218		83.4	101	101	98.4	101	98.7
Phenanthrene-d10 % recovery**	%	TM218		83.2	98.1	98.4	97.5	99	95.6
Chrysene-d12 % recovery**	%	TM218		77	90.6	91.8	87.9	88.9	86.6
Perylene-d12 % recovery**	%	TM218		80.4	88.6	89.8	85.8	85.6	79.8
Naphthalene	<9 µg/kg	TM218		13.7 M	12.7 M	13 M	24.9 M	<9 M	27.1 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	46.3 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	29 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		97.4 M	87.3 M	110 M	542 M	33.5 M	373 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		44.3 M	41 M	35.4 M	53.7 M	<17 M	30 M
Pyrene	<15 µg/kg	TM218		30.5 M	31.8 M	24.1 M	20.8 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		17.7 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		47.5 M	58.6 M	41 M	181 M	17.9 M	139 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		51.8 M	69.5 M	41.8 M	97.8 M	<15 M	74.8 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		19.9 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		323	301	341	920	<118	644

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1733	TPE 1734	TPE 1735	TPE 1735	TPE 1736	TPE 1736
			Depth (m)	0.50	0.50	0.50	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663671	9663753	9663726	9663735	9663705	9663711
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.8	95.9	101	100	100	104
Acenaphthene-d10 % recovery**	%	TM218		98.8	101	101	97	100	100
Phenanthrene-d10 % recovery**	%	TM218		96.4	99.7	98	97	97.9	98.9
Chrysene-d12 % recovery**	%	TM218		88.4	89.5	86.9	88.6	86.9	91
Perylene-d12 % recovery**	%	TM218		86.9	95.7	81.2	87.8	82.6	91.2
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	<9 M	<9 M	12.4 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		57.3 M	49 M	28.2 M	86.1 M	98.7 M	45.4 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	<17 M	19.5 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		31.7 M	25 M	<10 M	33.6 M	73.8 M	18.5 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		28.2 M	23.7 M	<15 M	21.9 M	37.2 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	<118	<118	142	229	<118

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1736	TPE 1778	TPE 1778	TPE 1778	TPE 1780	TPE 1780
			Depth (m)	2.50	0.50	1.50	3.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663719	9664078	9664087	9664094	9664049	9664059
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		82.9	102	108	104	109	104
Acenaphthene-d10 % recovery**	%	TM218		84	100	106	100	110	100
Phenanthrene-d10 % recovery**	%	TM218		83.7	99	106	99.8	108	100
Chrysene-d12 % recovery**	%	TM218		76.9	93.6	99.3	90.4	103	88.6
Perylene-d12 % recovery**	%	TM218		79.7	97.2	101	88.1	102	84.1
Naphthalene	<9 µg/kg	TM218		116 M	53.7 M	11.7 M	10.9 M	63.3 #	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 #	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 #	<8 M
Fluorene	<10 µg/kg	TM218		22.5 M	<10 M	<10 M	<10 M	81.4 #	<10 M
Phenanthrene	<15 µg/kg	TM218		152 M	268 M	63 M	59.8 M	276 #	32.3 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	24.1 #	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	36.4 M	<17 M	<17 M	42.6 #	<17 M
Pyrene	<15 µg/kg	TM218		20.9 M	25 M	45.3 M	<15 M	32.4 #	21.7 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 #	20.9 M
Chrysene	<10 µg/kg	TM218		39.7 M	91.4 M	30 M	26.7 M	78.5 #	13.2 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		31 M	80.9 M	96 M	29.2 M	57.6 #	46.1 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 #	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 #	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 #	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 #	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 #	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		382	555	246	127	656	134

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1780	TPE 1780	TPE 1783	TPE 1783	TPE 1783	TPE 1783
			Depth (m)	2.50	4.00	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9664066	9664072	9663918	9663922	9663932	9663937
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		104	82.5	101	101	103	103
Acenaphthene-d10 % recovery**	%	TM218		99.9	83.2	97.7	97.8	99.6	99.9
Phenanthrene-d10 % recovery**	%	TM218		100	82.5	96.5	96.4	97.5	98.4
Chrysene-d12 % recovery**	%	TM218		90	76.1	90.2	88.6	89.7	90.2
Perylene-d12 % recovery**	%	TM218		87	79.6	88.8	86.4	86.4	88.1
Naphthalene	<9 µg/kg	TM218		11.7 M	<9 M	<9 M	11.2 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		67 M	26.3 M	87.4 M	84.4 M	116 M	76.7 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	<17 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		18.3 M	<14 M	17 M	19.2 M	16.9 M	24.6 M
Chrysene	<10 µg/kg	TM218		33.8 M	30.5 M	37.1 M	35.1 M	40.5 M	25.6 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		32.9 M	30.6 M	24.9 M	29.3 M	31.1 M	21 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		164	<118	166	179	204	148

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1783	TPE 1785	TPE 1785	TPE 1786	TPE 1786	TPE 1787
			Depth (m)	4.50	0.50	1.50	1.00	2.00	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663942	9663470	9663476	9663449	9663458	9663424
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		116	82.3	103	105	109	99.6
Acenaphthene-d10 % recovery**	%	TM218		113	81.5	100	103	106	96.9
Phenanthrene-d10 % recovery**	%	TM218		111	79.9	101	101	103	96
Chrysene-d12 % recovery**	%	TM218		101	75.6	93.7	95.7	91.3	90.2
Perylene-d12 % recovery**	%	TM218		95.6	80.2	95.5	94.5	82.2	92.7
Naphthalene	<9 µg/kg	TM218		10.7 M	<9 M	10.4 M	15 M	<9 M	11.8 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		106 M	51.7 M	97 M	95.7 M	33.3 M	94.1 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	27.1 M	<17 M	38.4 M	<17 M	26.1 M
Pyrene	<15 µg/kg	TM218		<15 M	20.1 M	<15 M	23.5 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		21.5 M	<14 M	<14 M	<14 M	<14 M	22.4 M
Chrysene	<10 µg/kg	TM218		40.7 M	25.7 M	32.9 M	51.1 M	<10 M	54.2 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		23.2 M	34.6 M	22.9 M	53.9 M	<15 M	43.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	16.8 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		203	159	163	294	<118	252

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1787	TPE 1787	TPE 1801	TPE 1801	TPE 1801	TPE 1802
			Depth (m)	1.50	2.50	0.50	1.50	3.50	1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663436	9663443	9664143	9664150	9664159	9664169
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93.2	106	111	108	107	99.4
Acenaphthene-d10 % recovery**	%	TM218		91.9	103	109	105	104	99.3
Phenanthrene-d10 % recovery**	%	TM218		90.6	100	107	102	101	95.9
Chrysene-d12 % recovery**	%	TM218		85.9	91.4	101	91.6	90.2	87.6
Perylene-d12 % recovery**	%	TM218		90.5	81.5	103	86.4	83.1	83.3
Naphthalene	<9 µg/kg	TM218		<9 M	11.4 M	16.1 M	<9 M	697 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	85.1 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	76.3 M	<10 M
Phenanthrene	<15 µg/kg	TM218		37.5 M	106 M	164 M	78.2 M	108 M	98 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	21.9 M	96.6 M	21.9 M	<17 M	47.3 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	71.4 M	<15 M	<15 M	30.8 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	39.1 M	<14 M	<14 M	34.2 M
Chrysene	<10 µg/kg	TM218		<10 M	45.7 M	89.9 M	36 M	32 M	56 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	35.1 M	91.4 M	25.7 M	19.7 M	49.1 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	22.1 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	30.9 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	27.5 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	36.1 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	220	686	162	1020	315

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1802	TPE 1802	TPE 1803	TPE 1803	TPE 1804	TPE 1804
			Depth (m)	2.50	3.50	1.00	2.00	0.20	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9664174	9664186	9663485	9663493	9663525	9663533
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		100	107	78.8	104	103	103
Acenaphthene-d10 % recovery**	%	TM218		96.9	104	78.6	101	99.4	103
Phenanthrene-d10 % recovery**	%	TM218		95.2	101	77.6	101	96.1	101
Chrysene-d12 % recovery**	%	TM218		87.2	91	73.4	92.3	88.1	90.6
Perylene-d12 % recovery**	%	TM218		84.5	85.2	77.7	91.9	85.9	88
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	12.8 M	29.6 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		83.6 M	137 M	50.4 M	64.8 M	47.4 M	78.8 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	<17 M	39.6 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	30.4 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		19.7 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		39 M	49.3 M	23.9 M	22.2 M	33.4 M	30 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		32.2 M	24.3 M	16.6 M	<15 M	42.6 M	20.3 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	18.4 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		174	211	<118	<118	212	129

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1805	TPE 1805	TPE 1805	TPE 1806	TPE 1806	TPE 1806
			Depth (m)	0.50	1.00	3.00	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663582	9663592	9663602	9663947	9663953	9663961
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		99.8	99.8	108	103	105	106
Acenaphthene-d10 % recovery**	%	TM218		101	100	107	100	103	103
Phenanthrene-d10 % recovery**	%	TM218		96.9	98.1	106	98.5	100	99.9
Chrysene-d12 % recovery**	%	TM218		92.7	88.6	97.2	92.1	91.8	89.4
Perylene-d12 % recovery**	%	TM218		97.8	88.5	98.3	93.9	89.2	83.6
Naphthalene	<9 µg/kg	TM218		22.8 M	<9 M	12.4 M	<9 M	<9 M	10.9 M
Acenaphthylene	<12 µg/kg	TM218		19.9 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		14.6 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		20 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		508 M	23.6 M	120 M	<15 M	40.1 M	109 M
Anthracene	<16 µg/kg	TM218		130 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		1550 M	<17 M	<17 M	<17 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		1180 M	<15 M	18.7 M	<15 M	18.1 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		899 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		793 M	<10 M	52.7 M	<10 M	17.9 M	37.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1090 M	30.1 M	63.2 M	<15 M	48.3 M	23.5 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		390 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		847 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		410 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		135 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		484 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		8500	<118	267	<118	124	181

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1806	TPE 1806	TPE 1808	TPE 1808	TPE 1808	TPE 1808
			Depth (m)	3.50	4.50	0.50	1.50	2.50	3.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663966	9663970	9663980	9663985	9663992	9663998
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	104	102	109	107	102
Acenaphthene-d10 % recovery**	%	TM218		99.1	102	98.2	106	104	99
Phenanthrene-d10 % recovery**	%	TM218		96.8	99.2	96.6	105	102	97.3
Chrysene-d12 % recovery**	%	TM218		88.1	91.4	87.5	97.1	93.1	89.9
Perylene-d12 % recovery**	%	TM218		81.4	90	84.9	97.8	87.8	87.4
Naphthalene	<9 µg/kg	TM218		14.1 M	13.6 M	11.4 M	<9 M	<9 M	11.6 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		148 M	151 M	75.5 M	20.1 M	43.2 M	97.1 M
Anthracene	<16 µg/kg	TM218		154 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	20.1 M	26.2 M	<17 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	17.9 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	<14 M	19.8 M	<14 M	<14 M	22.4 M
Chrysene	<10 µg/kg	TM218		49 M	41.8 M	36.2 M	<10 M	<10 M	33.8 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		29 M	32.4 M	29.8 M	<15 M	103 M	27 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		395	259	217	<118	146	192

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1808	TPE 1809	TPE 1809	TPE 1811	TPE 1811	TPE 1811
			Depth (m)	4.50	0.50	1.50	0.50	1.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9664003	9664034	9664044	9664007	9664015	9664022
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		102	100	102	106	107	105
Acenaphthene-d10 % recovery**	%	TM218		98.4	103	106	104	105	103
Phenanthrene-d10 % recovery**	%	TM218		96.9	100	101	102	101	99.5
Chrysene-d12 % recovery**	%	TM218		88.9	92	93.1	98.9	93.5	92.6
Perylene-d12 % recovery**	%	TM218		84.6	92.3	96.1	103	83.2	86.6
Naphthalene	<9 µg/kg	TM218		<9 M	44.9 M	87.8 M	36 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	52.9 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	20.8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	18.8 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		43.1 M	161 M	165 M	434 M	116 M	87.8 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	78.1 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	124 M	64.2 M	1330 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	88.1 M	50.2 M	965 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	29.8 M	44.3 M	569 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		23.8 M	86.1 M	84.8 M	583 M	43.9 M	30.6 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		25.1 M	130 M	95.5 M	1000 M	39.7 M	37.2 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	38 M	<14 M	319 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	53.5 M	36.7 M	604 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	41.4 M	25.7 M	433 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	119 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	54.2 M	38 M	472 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	851	711	7020	199	156

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1811	TPE 1816	TPE 1816	TPE 1816	TPE 1816	TPE 1817
			Depth (m)	4.00	0.20	1.00	1.50	2.80	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9664028	9663975	9664038	9664114	9663415	9663653
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		108	77	84.5	105	107	84.5
Acenaphthene-d10 % recovery**	%	TM218		105	76.4	83.5	102	102	85.1
Phenanthrene-d10 % recovery**	%	TM218		102	73.8	82.1	102	101	83.9
Chrysene-d12 % recovery**	%	TM218		92.6	67.6	76.4	93.8	88.9	80.3
Perylene-d12 % recovery**	%	TM218		88.7	69.8	78.1	93.4	87.3	88.7
Naphthalene	<9 µg/kg	TM218		13.7 M	25.2 M	<9 M	11.8 M	20.9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		174 M	98.1 M	33.3 M	143 M	366 M	39.7 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		19.7 M	145 M	<17 M	<17 M	28.8 M	<17 M
Pyrene	<15 µg/kg	TM218		<15 M	108 M	<15 M	<15 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	59.3 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		61.7 M	72.2 M	14.2 M	65.5 M	132 M	16.6 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		49.6 M	141 M	39.2 M	43 M	52.6 M	20.7 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	40 M	<14 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	71.1 M	<15 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	54.5 M	<18 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	67.9 M	<24 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		318	883	<118	264	600	<118

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1817	TPE 1817	TPE 1817	TPE 1818	TPE 1818	TPE 1818
			Depth (m)	0.80	1.50	2.50	0.20	0.40	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663742	9663853	9663912	9663503	9663510	9663517
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		85.3	92.1	109	79.5	98	105
Acenaphthene-d10 % recovery**	%	TM218		85.2	90.3	105	79.4	97.4	105
Phenanthrene-d10 % recovery**	%	TM218		83.6	89.1	104	78.9	94	102
Chrysene-d12 % recovery**	%	TM218		78.9	85	93.1	76.2	84	91
Perylene-d12 % recovery**	%	TM218		81.3	89.4	96.4	83.5	83.6	88.8
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	11.8 M	28 M	<9 M	19.9 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	39.8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	35.5 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		23.4 M	54.4 M	105 M	279 M	177 M	71.6 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	42.8 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		<17 M	<17 M	<17 M	416 M	216 M	53.7 M
Pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	341 M	157 M	35.3 M
Benz(a)anthracene	<14 µg/kg	TM218		<14 M	20.7 M	<14 M	259 M	<14 M	38.5 M
Chrysene	<10 µg/kg	TM218		<10 M	26.9 M	45.3 M	330 M	117 M	49.9 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		<15 M	23.5 M	28.5 M	525 M	212 M	42.4 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		<14 M	<14 M	<14 M	181 M	62.1 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		<15 M	<15 M	<15 M	320 M	112 M	18.5 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		<18 M	<18 M	<18 M	221 M	84.6 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	73.7 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		<24 M	<24 M	<24 M	266 M	102 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		<118	126	190	3360	1240	330

CERTIFICATE OF ANALYSIS

SDG:	140722-32	**Location:**	Coed Darcy	**Order Number:**	CD0753
Job:	H_ATKINS_LDC-224	**Customer:**	Atkins Global Ltd	**Report Number:**	291717
Client Reference:	Site Wide Trial Pitting	**Attention:**	Jack Lowrie	**Superseded Report:**	279324

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	TPE 1819	TPE 1819	TPE 1820	TPE 1821	TPE 1821	TPE 1822
			Depth (m)	0.30	1.20	0.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014	18/07/2014
			Sample Time	.	.	.	.	.	.
			Date Received	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014	22/07/2014
			SDG Ref	140722-32	140722-32	140722-32	140722-32	140722-32	140722-32
			Lab Sample No.(s)	9663557	9663570	9664119	9664102	9664108	9664125
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96.1	106	95.7	113	112	103
Acenaphthene-d10 % recovery**	%	TM218		94.9	103	96.6	112	112	102
Phenanthrene-d10 % recovery**	%	TM218		92.1	99.5	95.8	109	109	100
Chrysene-d12 % recovery**	%	TM218		82.2	90.8	85.4	105	98.5	93.6
Perylene-d12 % recovery**	%	TM218		77.9	82.4	82.8	107	98.7	96.2
Naphthalene	<9 µg/kg	TM218		<9 M	<9 M	<9 M	18 M	13.9 M	11.2 M
Acenaphthylene	<12 µg/kg	TM218		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218		77.4 M	65.7 M	58 M	86.1 M	41.4 M	136 M
Anthracene	<16 µg/kg	TM218		<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218		114 M	22.3 M	20.2 M	45.6 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218		89.8 M	<15 M	<15 M	33.9 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218		55.9 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218		88 M	38.2 M	31.6 M	61.5 M	23 M	52.3 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		83.3 M	43.6 M	33.1 M	106 M	17.1 M	43 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		28.9 M	<14 M	<14 M	25.9 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218		44.9 M	<15 M	<15 M	25.8 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		32 M	<18 M	<18 M	35.5 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		42.9 M	<24 M	<24 M	42.8 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		657	170	143	481	<118	243