Coed Darcy_Monitor Phase 29
Hotspot Validation

Exceedences of shallow residential thresholds

Sample Ref	Depth (m bgl)	Arsenic as As, dry weight	Cadmium as Cd, dry weight	Chromium as Cr, dry weight	Copper as Cu, dry weight	Lead as Pb, dry weight	Mercury as Hg, dry weight	Nickel as Ni, dry weight	Selenium as Se, dry weight	Vanadium as V, dry weight	Zinc as Zn, dry weight	VPH >C5 - C6, aliphatic	VPH >C6 - C8, aliphatic	VPH >C8 - C10, aliphatic	EPH >C10 - C12, aliphatic	EPH >C12 - C16, aliphatic	EPH >C16 - C21, aliphatic	EPH >C21 - C35, aliphatic	EPH >C35 - C44, aliphatic	VPH >C6 - C7, aromatic	VPH >C7 - C8, aromatic	VPH >C8 - C10, aromatic	EPH >C10 - C12, aromatic	EPH >C12 - C16, aromatic	EPH >C16 - C21, aromatic	EPH >C21 - C35, aromatic
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
NCA_2 4	0.2	8.84	<0.02	15	16.8	24.2	<0.14	36.5	<1	14.7	96.9	<40	<40	<40	<40	2760	8210	28100	3790		<40	<40	<40	1830	5070	24900
NCA_2 4	0.6	11.3	0.0785	17.5	26	39	0.253	29.9	<1	17.4	130	<40	<40	<40	<40	7200	20100	65500	17900	<40	<40	<40	<40	1600	13000	51800
NCA_2 4 E	0.2	12.9	0.0322	14.8	18.4	32.1	0.149	28.9	<1	15.2	107	<40	<40	<40	<40	7940	30700	131000	40800	<40	<40	<40	<40	1100	6620	53400
NCA_2 4 N	0.3	8.97	0.0278	14	89.9	28.9	0.264	27.1	<1	16.1	103	<40	<40	<40	<40	7970	26500	92300	28600	<40	<40	<40	<40	1580	6750	41400
NCA_2 4 S	0.2	7.4	<0.02	15.4	15.1	24	0.291	33.7	<1	15.3	102	<40	<40	<40	<40	14900	29600	168000	79900	<40	<40	<40	<40	4570	16100	105000
NCA_2 4 W	0.3	8.37	<0.02	16.1	28.2	24.5	<0.14	37	<1	16.7	108	<40	<40	<40	<40	8950	28400	102000	30400	<40	<40	<40	<40	1460	6800	42800
NCA_2 12	0.3	18.4	0.226	13.3	57.3	113	0.652	16.7	<1	19.9	338	<40	<40	<40	<40	32100	76300	121000	58500	<40	<40	<40	<40	11300	35200	102000
VAL 2 12N		14.5	0.268	12.9	29.4	132	0.454	20.5	<1	15.2	291	<40	55.5	52.3	158	21600	55500	154000	70400	<40	<40	54.5	106	1910	14100	81100
VAL 2 12E		14.9	0.327	30.9	28.2	136	0.361	18.7	<1	28.1	216	<40	<40	<40	<40	13700	37300	98500	44900	<40	<40	<40	<40	1480	8760	43100
VAL 2 12S		19.5	0.323	13.3	31.3	83.3	0.671	17.7	<1	16.9	212	<40	<40	<40	<40	22000	60600	209000	91000	<40	<40	<40	<40	2470	14500	85200
VAL 2 12W		16.3	0.281	12.7	30.6	81.9	0.569	19.6	<1	16.5	182	<40	<40	<40	<40	18900	47600	163000	61300	<40	<40	<40	<40	2120	13300	76000
VAL 13E	0.50-	4.72	0.371	13.2	8.75	11.9	<0.14	28.8	<1	10.7	63.6	16.7	63.6	33.4	52.2	7260	13700	57000	23300	<10	<10	35.5	35.5	12000	56400	205000
VAL 13N	0.40-	17.6	1.02	20.5	45.5	78.4	0.335	31.5	<1	21.5	232	19	61.6	51.5	84	55700	199000	312000	38300	<10	13.4	52.6	56	18400	127000	260000
VAL 13S	0.30-	4.75	0.521	13.6	8.53	20.4	<0.14	30.1	<1	12.8	68.6	11.7	40.5	14.9	<10	11900	35000	76400	14300	<10	<10	20.3	<10	2250	13300	55900
VAL 13W	0.20-	3.7	0.456	13.8	5.07	11.1	<0.14	32.4	<1	11.7	66	<10	19	12.6	11.6	6460	22800	52900	7260	<10	<10	13.7	<10	1480	9970	50700
FILL 13	-	2.56	0.462	15.6	4.66	11.2	<0.14	34.2	<1	13.8	74.6	15.7	51.2	62.7	117	7410	5410	7380	<100	<10	<10	51.2	78.4	2450	5600	12400
VAL 13B		4.98	0.67	14.8	10.2	17.2	<0.14	39.5	<1	13.4	89.9	20.1	57.2	32.8	50.8	7310	17900	31700	7500	<10	<10	41.3	33.9	2240	8130	25900
VAL 14N	0.40-	7.21	0.605	12.7	23.1	31.7	<0.14	28.5	<1	13	123	35.7	95.2	53	167	9030	23600	64100	9470	<10	17.3	66	111	2110	12400	51600
VAL_2 14 S	0.4	18.1	0.232	13	53.3	75.1	0.755	15.5	<1	17	254	<40	<40	80	186	33200	73300	220000	66700	<40	<40	68.3	124	12600	37600	141000
VAL_2 14 E	0.3	9.42	0.069	12.1	34.8	37.9	<0.14	21.9	<1	15	147	<40	<40	67.8	254	26900	66600	275000	70700	<40	<40	55.7	169	7820	38100	189000
VAL 14W	0.20-	6.15	0.622	14.7	10.1	16.3	<0.14	35.5	<1	14	81.1	16.2	63.7	46.4	63.7	8610	20800	55900	9710	<10	<10	44.2	42.1	1890	10100	46600
FILL 14	-	6.88	0.678	50	12.6	16.6	<0.14	31.8	<1	40.2	73.9	37.4	124	62.7	79.2	21000	41800	67000	12200	<10	12.1	58.3	52.8	4010	18900	52000
VAL 14B		192	0.604	11.6	31.4	60.9	0.532	24.9	<1	15.1	150	18.2	88.3	1310	2580	241000	190000	550000	140000	<10	15.7	891	1720	78100	124000	185000
VAL 15N	0.30-	13.6	1.12	14.9	28.5	114	0.213	28.5	<1	15.8	147	21.3	129	997	1520	27900	37500	90400	23100	<10	14.6	672	1020	7420	20000	78700
VAL 15S	0.40-	10.2	0.628	22.7	20	32.4	0.153	27.2	<1	20.6	114	42.6	244	1200	1880	41000	73500	139000	41400	10.1	30.2	821	1260	22600	55100	126000
VAL_2 15 E	0.4	15.5	0.203	17.2	45.4	65.2	0.212	43.7	<1	19.8	140	<40	<40	<40	<40	6750	18500	60500	23200	<40	<40	<40	<40	2900	8400	42700
VAL_2 15 W	0.4	11.4	0.0497	11.9	23.2	22.6	0.191	20.3	<1	14.4	82.8	<40	47.9	<40	94.7	41100	90100	152000	53300	<40	<40	<40	63.2	4410	22900	92000
FILL 15	-	4.22	0.615	14.6	8.94	15.1	<0.14	38.6	<1	12.8	82.9	12.7	58	34.8	39	8460	14300	30000	2450	<10	<10	31.7	26.4	2390	8060	32000
VAL 15B		12.5	0.638	15.5	23.1	35.4	0.57	26.2	<1	15.2	119	24.2	307	1550	1800	43700	46300	115000	28300	<10	10.9	1030	1200	12800	29100	92700
VAL 16N	0.50-	4.18	0.487	14	7.32	18.6	<0.14	26.5	<1	12.7	80.9	41.2	128	141	225	26000	57000	102000	33100	<10	14.1	135	151	11200	49800	146000
VAL 16S	0.30-	8.31	0.597	14.6	16.9	23.9	0.214	32.5	<1	14	122	18.7	78.1	40.7	53.9	19000	34700	62200	23300	<10	<10	44	36.3	6170	23900	80700
VAL 16E	0.20-	8.59	0.7	16.4	18	24.1	<0.14	35.3	<1	17.1	90.3	16.2	89.6	212	339	23100	36300	77800	18800	<10	14	166	226	6940	21200	71300
VAL_2 16 W	0.3	8.84	<0.02	16	16.6	23.4	<0.14	40.3	<1	16	94.4	<40	<40	<40	<40	3530	12300	36300	10400	<40	<40	<40	<40	1720	4870	30300
VAL 16B		20.1	1.05	13.7	45.9	31.6	0.14	24.3	<1	18	112	10.4	69.6	191	375	77500	92700	105000	36100	<10	<10	128	249	31400	69800	222000
FILL 16	-	5.93	0.578	14.7	49.5	18	<0.14	32.3	<1	14.6	78.9	22.8	84.6	49.9	109	10100	18300	66200	8720	<10	<10	53.1	72.6	3220	11900	51200
VAL 17N	0.20-	5.31	0.45	9.9	10.2	18	<0.14	18.9	<1	10.3	63.1	18.2	191	450	477	29500	74600	221000	32300	<10	<10	301	318	12300	57800	258000
VAL 17S	0.30-	7.83	0.558	15.1	13.4	19	<0.14	34.1	<1	13.8	80.3	29	84.8	72	195	5880	19200	39100	9160	<10	<10	68.7	130	1260	10500	49000
VAL 17E	0.40-	8.21	0.65	15.2	20.1	24.7	<0.14	31.1	<1	15.5	110	16.5	56.1	40.7	38.5	32800	73000	189000	23200	<10	<10	35.2	25.3	2110	11300	46800
VAL 17W	0.20-	8.19	0.654	17.5	21.6	20.8	<0.14	35.2	<1	16.3	89.6	17.8	62.2	54.4	104	2540	11100	21200	1990	<10	<10	67.7	68.8	1310	8600	46000
FILL 17	-	5.04	0.424	11.6	9.87	11.8	<0.14	32.2	<1	9.6	72.2	21.9	75.1	57.4	123	11000	16300	30000	2410	<10	10.4	58.4	82.4	2410	7940	29900
VAL 17B		3.55	0.333	14.1	5.08	10	<0.14	32.7	<1	10.7	72.1	19.6	54.5	47.3	96.7	6950	12200	19300	3750	<10	<10	50.4	64.8	42800	40000	18300
VAL 23N	0.30-	7.75	0.718	16.8	13.7	20.4	<0.14	43	<1	15.8	89.8	25.8	99.9	58	70.9	2950	8580	19200	2180	<10	<10	58	47.3	1100	6590	28000
VAL 23S	0.30-	4.7	0.564	15.7	7.96	15.5	<0.14	34.9	<1	14.7	80.2	18	58.3	76.3	145	6280	16800	43800	4750	<10	<10	70	96.5	1810	8490	37400
VAL 23E	0.20-	4.6	0.569	15.6	7.4	12.4	<0.14	34.7	<1	14.5	70.6	17.2	55.8	45.1	73	6890	19900	49400	5890	<10	<10	46.1	48.3	1640	10300	42500
VAL 23W	0.30-	5.07	0.558	15.6	8.15	15.1	<0.14	35.4	<1	13.1	80.2	34.9	125	82.6	98.5	3270	14600	85000	13100	<10	16.9	82.6	65.7	1240	10500	52900
FILL 23	-	6.89	0.373	14	6.87	9.84	<0.14	27.7	<1	11	54.8	28.4	114	58.9	89.4	6220	11800	30300	4880	<10	11.6	63.1	58.9	1820	6580	27600
VAL 23B		4.43	0.491	14	7.28	11.4	<0.14	32.8	<1	11.8	151	14.7	48.4	28.4	34.7	3420	6940	11900	2220	<10	<10	35.8	23.2	696	4840	18800
maximum		192	1.12	50	53.3	114	0.755	43.7	0	40.2	254	42.6	307	1550	2580	241000	199000	550000	140000	10.1	30.2	1030	1720	78100	127000	260000
resi <1		64	2.6	130	143	337	1	50	3	113	478	-	69800	9760	1780000	4510000	94200000	94800000	94820000	49.3	86900	14800	57300	131000	82000	888000
resi >1		-	-	-	-	-	-	-	-	-	-	-	-	158000	-	-	-	-	-	-	146000	257000	1394000	-	-	-

Coed Darcy_Monitor Phase 29
Soils Validation (Shallow)

Exceedences of shallow residential thresholds

Sample	Depth (m bgl)	Acenaphthylene	Acenaphthene	Anthracene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(k)Fluoranthene	Benzo(a)Pyrene	Benzo(ghi)Perylene	Chrysene	Fluoranthene	Fluorene	Indeno(123-cd)Pyrene	Phenanthrene	Pyrene	Naphthalene	Dibenzo(ah)Anthracene
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
NCA_2 4	0.2	<12	<8	25.4	73.6	148	49.9	102	93.1	124	158	22.2	68.3	205	152	45.3	26.6
NCA_2 4	0.6	<12	21.5	53.1	192	342	108	220	156	210	386	31.4	125	255	331	44.7	46.5
NCA_2 4 E	0.2	<12	12.6	29.2	137	374	115	221	172	178	193	24.7	138	178	183	45.3	52.5
NCA_2 4 N	0.3	<12	15.5	30.3	103	196	78.6	148	135	149	204	28.4	103	183	204	46.1	39.2
NCA_2 4 S	0.2	<12	23.3	41.4	139	245	99.9	191	167	197	276	35.9	130	264	274	63.6	49.4
NCA_2 4 W	0.3	<12	10.7	27.7	121	249	71.9	150	118	134	170	26	99	178	161	46.9	37.1
NCA_2 12	0.3	62.5	56.9	142	521	741	302	547	407	522	944	68.4	354	514	883	91.5	117
VAL 2 12N		22.5	41.5	77.4	302	410	152	297	230	275	545	42.3	187	311	476	56.7	69
VAL 2 12E		63.5	59.8	409	473	632	240	452	298	433	998	164	246	961	817	103	93.5
VAL 2 12S		36.1	35.6	107	494	774	214	478	374	444	831	41.8	315	295	708	79.1	127
VAL 2 12W		<12	13.3	36.7	152	191	110	195	158	166	235	21	132	143	212	26.6	52.8
FILL 13	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 13B		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 13E	0.50-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	125	<100	<100	<100
VAL 13N	0.40-	<100	<100	139	1450	1730	1220	1670	1030	1630	1660	<100	983	611	1500	<100	334
VAL 13S	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 13W	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
FILL 14	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 14B		<100	186	231	961	1000	718	1010	569	1060	1330	311	545	807	1200	137	191
VAL 14N	0.40-	<100	<100	<100	163	182	140	175	118	209	257	<100	<100	178	252	<100	<100
VAL_2 14 E	0.3	21.6	49.8	113	457	874	277	572	441	530	802	56.6	350	407	733	81.1	124
VAL_2 14 S	0.4	19.9	61.7	105	424	830	271	536	399	471	719	55.3	323	461	636	81.4	113
VAL 14W	0.20-	<100	<100	<100	<100	117	<100	<100	<100	144	140	<100	<100	146	151	<100	<100
FILL 15	-	<100	<100	<100	146	179	129	170	109	218	223	<100	<100	202	214	<100	<100
VAL 15B		<100	<100	<100	246	274	202	247	157	435	333	<100	144	289	332	<100	<100
VAL 15N	0.30-	<100	<100	<100	303	376	272	362	285	475	374	<100	232	236	388	<100	<100
VAL 15S	0.40-	<100	<100	<100	345	396	302	341	223	459	530	<100	202	356	548	<100	<100
VAL_2 15 E	0.4	<12	<8	26.3	62.1	149	50.8	88.8	95.7	136	148	27	70.1	190	150	52.3	30.7
VAL_2 15 W	0.4	15.6	16.7	56.5	271	331	183	356	299	297	373	24.4	228	190	342	32.8	91.8
FILL 16	-	<100	<100	<100	522	513	426	602	368	651	835	<100	323	330	761	<100	<100
VAL 16B		<100	<100	<100	166	167	130	174	153	275	199	<100	<100	157	213	<100	<100
VAL 16E	0.20-	<100	<100	<100	125	142	115	172	<100	187	190	<100	<100	122	182	<100	<100
VAL 16N	0.50-	<100	<100	<100	390	465	359	459	274	544	582	<100	238	296	625	<100	<100
VAL 16S	0.30-	<100	<100	<100	112	123	<100	113	<100	152	149	<100	<100	120	151	<100	<100
VAL_2 16 W	0.3	<12	<8	<16	63.1	111	33	64.2	56.6	138	80.4	18.9	41	126	76.8	29.7	<23
FILL 17	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 17B		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 17E	0.40-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 17N	0.20-	<100	<100	<100	225	282	208	300	186	342	287	<100	151	175	300	<100	<100
VAL 17S	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	120	<100	<100	<100	113	115	<100	<100
VAL 17W	0.20-	<100	<100	<100	<100	129	<100	129	<100	195	147	<100	<100	149	147	<100	<100
FILL 23	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL23B		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 23E	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	120	<100	<100	<100
VAL 23N	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
VAL 23S	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	121	120	<100	<100	125	119	<100	<100
VAL 23W	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	124	<100	<100	<100	122	<100	<100	<100
maximum		21.6	186	231	1450	1730	1220	1670	1030	1630	1660	311	983	807	1500	137	334
Resi <1		-	1380000	8270000	7560	20000	216000	900	235000	1500000	822000	615000	19200	-	563000	585	1970
Resi >1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	2800	-

Coed Darcy_Monitor Phase 29
Asbestos Analysis

Sample Ref	Depth (m bgl)	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
NCA10	0.50-	<0.001	Trace	Not Detected	Not Detected
NCA 10	1.00-	0.0013	Trace	Not Detected	Detected
NCA10	2.40-		Detected	Detected	Not Detected
NCA10	2.40-		Detected	Detected	Not Detected
NCA10	3.20-		Not Detected	Not Detected	Not Detected
NCA10	4.00-		Not Detected	Not Detected	Not Detected
NCA10	5.10-		Detected	Not Detected	Not Detected
NCA11	0.50-	<0.001	Detected	Not Detected	Not Detected
NCA 11	0.80-	0.001	Detected	Not Detected	Not Detected
NCA11	2.20-		Detected	Detected	Not Detected
NCA11	3.00-		Detected	Not Detected	Not Detected
NCA11	4.10-		Not Detected	Not Detected	Not Detected
NCA11	5.00-		Detected	Not Detected	Detected
NCA12	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 12	1.00-	0.002	Detected	Not Detected	Not Detected
NCA12	2.10-		Not Detected	Detected	Not Detected
NCA12	3.10-		Detected	Not Detected	Not Detected
NCA12	4.20-		Detected	Not Detected	Not Detected
NCA12	5.20-		Not Detected	Detected	Not Detected
NCA 13	0.30-		Trace	Detected	Not Detected
NCA 13	1.40-		Trace	Not Detected	Not Detected
NCA 13	2.40-		Trace	Not Detected	Not Detected
NCA 13	3.30-		Trace	Not Detected	Not Detected
NCA 13	4.20-		Detected	Not Detected	Not Detected
NCA 13	5.10-		Not Detected	Detected	Not Detected
NCA 14	0.20-	0.0066	Detected	Not Detected	Not Detected
NCA 14	1.10-	0.0014	Detected	Not Detected	Not Detected
NCA 14	2.30-		Not Detected	Trace	Not Detected
NCA 14	3.10-		Not Detected	Trace	Not Detected
NCA 14	4.20-		Not Detected	Detected	Not Detected
NCA 14	5.00-		Not Detected	Detected	Not Detected
NCA 15	0.30-		Not Detected	Trace	Not Detected
NCA 15	0.90-	0.0019	Detected	Detected	Not Detected
NCA 15	2.20-		Detected	Not Detected	Not Detected
NCA 15	3.10-		Detected	Not Detected	Not Detected
NCA 15	4.00-		Detected	Detected	Not Detected
NCA 15	5.20-		Not Detected	Trace	Not Detected
NCA 16	0.40-		Not Detected	Trace	Not Detected
NCA 16	1.20-	0.0075	Detected	Not Detected	Not Detected
NCA 16	2.20-		Detected	Not Detected	Not Detected
NCA 16	3.10-		Detected	Not Detected	Not Detected
NCA 16	4.00-		Not Detected	Detected	Not Detected
NCA 16	5.20-		Detected	Not Detected	Not Detected
NCA 17	0.30-	0.0036	Detected	Detected	Not Detected
NCA 17	1.00-	<0.001	Detected	Not Detected	Not Detected
NCA 17	2.30-		Detected	Detected	Not Detected
NCA 17	3.20-		Detected	Not Detected	Not Detected
NCA 17	4.00-		Detected	Not Detected	Not Detected
NCA 17	5.00-		Detected	Not Detected	Not Detected
NCA 18	0.30-	0.0023	Detected	Not Detected	Not Detected
NCA 18	1.00-	<0.001	Detected	Not Detected	Not Detected
NCA 19	1.20-	0.0023	Detected	Not Detected	Detected
NCA 20	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 20	1.00-	0.0014	Detected	Not Detected	Not Detected
NCA 20	1.00-	0.0014	Detected	Not Detected	Not Detected
NCA 21	0.30-	0.0012	Detected	Not Detected	Not Detected
NCA 21	1.10-	0.0045	Detected	Not Detected	Not Detected
NCA 23	0.20-	0.0014	Detected	Not Detected	Not Detected
NCA 23	0.60-	0.0062	Detected	Detected	Detected
NCA 23	1.00-	0.004	Detected	Detected	Not Detected
NCA 24	0.30-	<0.001	Trace	Not Detected	Not Detected
NCA 24	1.00-	<0.001	Detected	Not Detected	Not Detected
NCA 25	0.30-	0.0018	Detected	Not Detected	Not Detected
NCA 25	1.10-	0.0043	Detected	Not Detected	Not Detected
NCA 26	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 26	1.00-	0.0016	Detected	Detected	Not Detected
NCA4	0.30-	0.0346	Detected	Detected	Not Detected
NCA 4	1.00-	0.0078	Detected	Not Detected	Not Detected
NCA4	2.00-		Detected	Detected	Not Detected
NCA4	3.00-		Detected	Not Detected	Not Detected
NCA4	4.00-		Not Detected	Trace	Not Detected
NCA4	5.00-		Detected	Not Detected	Not Detected
NCA5	0.20-	<0.001	Not Detected	Detected	Not Detected
NCA 5	1.20-	<0.001	Detected	Detected	Not Detected
NCA5	2.00-		Detected	Not Detected	Not Detected
NCA5	3.30-		Detected	Detected	Not Detected
NCA5	4.00-		Not Detected	Detected	Detected
NCA5	5.00-		Detected	Not Detected	Not Detected
NCA6	0.40-		Not Detected	Not Detected	Not Detected
NCA 6	1.30-	0.0018	Detected	Not Detected	Not Detected
NCA6	2.30-		Detected	Trace	Not Detected
NCA6	3.10-		Detected	Not Detected	Detected

NCA6	4.10-		Detected	Detected	Not Detected
NCA6	5.10-		Detected	Not Detected	Not Detected
NCA7	0.40-		Not Detected	Not Detected	Not Detected
NCA 7	1.20-	0.0041	Detected	Not Detected	Not Detected
NCA 8	0.30-	0.0011	Detected	Not Detected	Not Detected
NCA 8	1.00-	0.12	Detected	Not Detected	Not Detected
NCA 27	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 28	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 29	0.20-	<0.001	Not Detected	Detected	Not Detected
NCA 30	0.30-	-	Not Detected	Not Detected	Not Detected
NCA 31	0.20-	-	Not Detected	Not Detected	Not Detected
NCA 32	0.30-	<0.001	Detected	Trace	Not Detected
NCA 33	0.20-	-	Not Detected	Not Detected	Not Detected
NCA 34	0.30-	-	Not Detected	Not Detected	Not Detected
NCA 35	0.20-	-	Not Detected	Not Detected	Not Detected
NCA 36	0.30-	-	Not Detected	Not Detected	Not Detected
NCA 37	0.30-	-	Trace	Not Detected	Not Detected
NCA 38	0.20-	-	Trace	Not Detected	Not Detected
NCA 39	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 40	0.20-	-	Not Detected	Not Detected	Not Detected
NCA 41	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 42	0.20-	-	Trace	Not Detected	Not Detected
NCA 43	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 44	0.20-	<0.001	Detected	Not Detected	Not Detected
NCA 45	0.30-	-	Not Detected	Not Detected	Not Detected
NCA 46	0.30-	<0.001	Detected	Not Detected	Not Detected
NCA 47	0.20-	-	Not Detected	Not Detected	Not Detected
NCA 48	0.30-	-	Not Detected	Not Detected	Not Detected
NCA 49	0.20-	<0.001	Detected	Not Detected	Not Detected
FILL 1	-	-	Not Detected	Not Detected	Not Detected
FILL 2	-	<0.001	Trace	Not Detected	Detected
NCA8 BASE 1	1.10-	-	Not Detected	Not Detected	Not Detected
NCA8 BASE 2	1.10-	<0.001	Detected	Not Detected	Not Detected
NCA8 E	-	0.0013	Detected	Not Detected	Not Detected
NCA8 FILL 2	-	-	Not Detected	Not Detected	Not Detected
NCA8 FILL1	-	<0.001	Detected	Not Detected	Not Detected
NCA8 N	-	0.0015	Detected	Not Detected	Not Detected
NCA8 S	-	-	Not Detected	Not Detected	Not Detected
NCA8 W	-	-	Not Detected	Not Detected	Not Detected
NCA4 BASE1	0.50-	-	Not Detected	Not Detected	Not Detected
NCA4 BASE2	0.50-	<0.001	Detected	Not Detected	Not Detected
NCA4 E	0.30-	-	Not Detected	Not Detected	Not Detected
NCA4 FILL1	0.00-0.00	-	Not Detected	Not Detected	Not Detected
NCA4 FILL2	0.00-0.00	-	Not Detected	Not Detected	Not Detected
NCA4 N	0.30-	-	Not Detected	Not Detected	Not Detected
NCA4 S	0.30-	0.001	Detected	Not Detected	Not Detected
NCA4 W	0.30-	-	Not Detected	Not Detected	Not Detected
NCA_2 4	0.2		Not Detected	Not Detected	Not Detected
NCA_2 4	0.6		Not Detected	Not Detected	Not Detected
NCA_2 4 E	0.2		Not Detected	Not Detected	Not Detected
NCA_2 4 N	0.3		Not Detected	Not Detected	Not Detected
NCA_2 4 S	0.2		Not Detected	Not Detected	Not Detected
NCA_2 4 W	0.3		Not Detected	Not Detected	Not Detected
NCA_2 12	0.3		Not Detected	Not Detected	Not Detected
VAL 2 12N	0.3		Not Detected	Not Detected	Not Detected
VAL 2 12E	0.3		Not Detected	Not Detected	Not Detected
VAL 2 12S	0.3		Not Detected	Not Detected	Not Detected
VAL 2 12W	0.3		Not Detected	Not Detected	Not Detected
VAL 2 14E	0.3		Not Detected	Not Detected	Not Detected
VAL 2 14S	0.4		Not Detected	Not Detected	Not Detected
VAL 2 15E	0.4		Not Detected	Not Detected	Not Detected
VAL 2 15W	0.4		Trace	Not Detected	Not Detected
VAL 2 16W	0.3		Not Detected	Not Detected	Not Detected

Appendi E Lab Certificates

ALcontrol Laboratories

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

Attention: Adam Putt

CERTIFICATE OF ANALYSIS

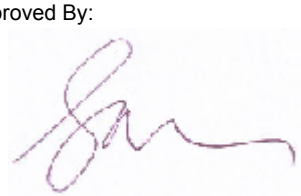
Date:	02 August 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	130718-30
Your Reference:	Phase 2
Location:	Coed Darcy
Report No:	236010

We received 10 samples on Thursday July 18, 2013 and 10 of these samples were scheduled for analysis which was completed on Friday August 02, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
7775010	PH2 OB6			17/07/2013
7775011	PH2 OB 7			17/07/2013
7775014	PH2 OB 8			17/07/2013
7775016	PH2 OB 9			17/07/2013
7775018	PH2 OB 10			17/07/2013
7775019	PH2 OB 11			17/07/2013
7775022	PH2 OB 12			17/07/2013
7775023	PH2 OB 13			17/07/2013
7775025	PH2 OB 14			17/07/2013
7775026	PH2 OB15			17/07/2013

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

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			7775010	PH2 OB6			250g Amber Jar
			7775010	PH2 OB6			400g Tub (ALE214)
			7775010	PH2 OB6			60g VOC (ALE215)
			7775011	PH2 OB 7			250g Amber Jar
			7775011	PH2 OB 7			400g Tub (ALE214)
			7775011	PH2 OB 7			60g VOC (ALE215)
			7775014	PH2 OB 8			250g Amber Jar
			7775014	PH2 OB 8			400g Tub (ALE214)
			7775014	PH2 OB 8			60g VOC (ALE215)
			7775016	PH2 OB 9			250g Amber Jar
			7775016	PH2 OB 9			400g Tub (ALE214)
			7775016	PH2 OB 9			60g VOC (ALE215)
			7775018	PH2 OB 10			250g Amber Jar
			7775018	PH2 OB 10			400g Tub (ALE214)
			7775018	PH2 OB 10			60g VOC (ALE215)
			7775019	PH2 OB 11			250g Amber Jar
			7775019	PH2 OB 11			400g Tub (ALE214)
			7775019	PH2 OB 11			60g VOC (ALE215)
			7775022	PH2 OB 12			250g Amber Jar
			7775022	PH2 OB 12			400g Tub (ALE214)
			7775022	PH2 OB 12			60g VOC (ALE215)
			7775023	PH2 OB 13			250g Amber Jar
			7775023	PH2 OB 13			400g Tub (ALE214)
			7775023	PH2 OB 13			60g VOC (ALE215)
			7775025	PH2 OB 14			250g Amber Jar
			7775025	PH2 OB 14			400g Tub (ALE214)
			7775025	PH2 OB 14			60g VOC (ALE215)
			7775026	PH2 OB15			250g Amber Jar
			7775026	PH2 OB15			400g Tub (ALE214)
			7775026	PH2 OB15			60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 10					X X X X X X X X X X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
GRO by GC-FID (S)	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
Metals in solid samples by OES	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
pH	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
Sample description	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
Total Organic Carbon	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 10	X X X X X X X X X X				
VOC MS (S)	All	NDPs: 0 Tests: 10	X X X X X X X X X X				

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**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
7775010	PH2 OB6		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
7775026	PH2 OB15		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
7775011	PH2 OB 7		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7775014	PH2 OB 8		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7775016	PH2 OB 9		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7775018	PH2 OB 10		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7775019	PH2 OB 11		Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
7775022	PH2 OB 12		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7775023	PH2 OB 13		Light Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
7775025	PH2 OB 14		Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			PH2 OB6	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775010	
			PH2 OB 7	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775011	
			PH2 OB 8	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775014	
			PH2 OB 9	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775016	
			PH2 OB 10	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775018	
			PH2 OB 11	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775019	
Soil Organic Matter (SOM)	<0.35 %	TM132	4.86 #								
			4.15 #								
			4.26 #								
			2.65 #								
			3.02 #								
			2.69 #								
pH	1 pH Units	TM133	8.01 M								
			7.99 M								
			8.17 M								
			8.26 M								
			8.24 M								
			6.01 M								
Arsenic	<0.6 mg/kg	TM181	45.9 M								
			37.3 M								
			26 M								
			56.5 M								
			21 M								
			22.1 M								
Cadmium	<0.02 mg/kg	TM181	0.521 M								
			0.606 M								
			0.426 M								
			0.399 M								
			0.358 M								
			0.404 M								
Chromium	<0.9 mg/kg	TM181	16.6 M								
			21.1 M								
			17.4 M								
			18.8 M								
			14.8 M								
			24.3 M								
Copper	<1.4 mg/kg	TM181	93.7 M								
			115 M								
			90 M								
			111 M								
			68.4 M								
			44.6 M								
Lead	<0.7 mg/kg	TM181	68 M								
			103 M								
			74.8 M								
			74.2 M								
			73.9 M								
			49.8 M								
Mercury	<0.14 mg/kg	TM181	0.22 M								
			0.516 M								
			1.71 M								
			4.63 M								
			0.546 M								
			0.152 M								
Nickel	<0.2 mg/kg	TM181	26.4 M								
			33 M								
			29.7 M								
			31 M								
			29.6 M								
			22.7 M								
Selenium	<1 mg/kg	TM181	1.03 #								
			<1 #								
			1.09 #								
			<1 #								
			<1 #								
			<1 #								
Vanadium	<0.2 mg/kg	TM181	22.3 #								
			21 #								
			20 #								
			19.2 #								
			17 #								
			21.3 #								
Zinc	<1.9 mg/kg	TM181	149 M								
			312 M								
			191 M								
			259 M								
			165 M								
			119 M								

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample Ref.	PH2 OB 12	PH2 OB 13	PH2 OB 14	PH2 OB15		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/07/2013	17/07/2013	17/07/2013	17/07/2013		
			Sample Time	.	.	.	.		
			Date Received	18/07/2013	18/07/2013	18/07/2013	18/07/2013		
			SDG Ref	130718-30	130718-30	130718-30	130718-30		
			Lab Sample No.(s)	7775022	7775023	7775025	7775026		
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.09 #	2.03 #	2.24 #	4.05 #		
pH	1 pH Units	TM133		7.97 M	7.29 M	5.13 M	7.89 M		
Arsenic	<0.6 mg/kg	TM181		19.3 M	24.8 M	20.7 M	22.7 M		
Cadmium	<0.02 mg/kg	TM181		0.289 M	0.712 M	0.591 M	0.825 M		
Chromium	<0.9 mg/kg	TM181		15.7 M	14.6 M	15.6 M	16.2 M		
Copper	<1.4 mg/kg	TM181		56.7 M	57.3 M	72 M	62 M		
Lead	<0.7 mg/kg	TM181		88.8 M	60 M	100 M	78.4 M		
Mercury	<0.14 mg/kg	TM181		2.55 M	<0.14 M	0.697 M	1.4 M		
Nickel	<0.2 mg/kg	TM181		23.1 M	22.4 M	23.8 M	31.6 M		
Selenium	<1 mg/kg	TM181		<1 #	1.17 #	<1 #	1.02 #		
Vanadium	<0.2 mg/kg	TM181		21.2 #	21.4 #	22.2 #	21 #		
Zinc	<1.9 mg/kg	TM181		174 M	158 M	253 M	210 M		

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			PH2 OB6	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775010	
			PH2 OB 7	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775011	
			PH2 OB 8	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775014	
			PH2 OB 9	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775016	
			PH2 OB 10	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775018	
			PH2 OB 11	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775019	
Phenol	<100 µg/kg	TM157	<100								
Pentachlorophenol	<100 µg/kg	TM157	<100								
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157	<100								
Nitrobenzene	<100 µg/kg	TM157	<100								
Isophorone	<100 µg/kg	TM157	<100								
Hexachloroethane	<100 µg/kg	TM157	<100								
Hexachlorocyclopentadiene	<100 µg/kg	TM157	<100								
Hexachlorobutadiene	<100 µg/kg	TM157	<100								
Hexachlorobenzene	<100 µg/kg	TM157	<100								
n-Dioctyl phthalate	<100 µg/kg	TM157	<100								
Dimethyl phthalate	<100 µg/kg	TM157	<100								
Diethyl phthalate	<100 µg/kg	TM157	<100								
n-Dibutyl phthalate	<100 µg/kg	TM157	<100								
Dibenzofuran	<100 µg/kg	TM157	248								
Carbazole	<100 µg/kg	TM157	521								
Butylbenzyl phthalate	<100 µg/kg	TM157	<100								
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	<100								
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157	<100								
bis(2-Chloroethyl)ether	<100 µg/kg	TM157	<100								
Azobenzene	<100 µg/kg	TM157	<100								
4-Nitrophenol	<100 µg/kg	TM157	<100								
4-Nitroaniline	<100 µg/kg	TM157	<100								
4-Methylphenol	<100 µg/kg	TM157	<100								
4-Chlorophenylphenylether	<100 µg/kg	TM157	<100								
4-Chloroaniline	<100 µg/kg	TM157	<100								
4-Chloro-3-methylphenol	<100 µg/kg	TM157	<100								
4-Bromophenylphenylether	<100 µg/kg	TM157	<100								
3-Nitroaniline	<100 µg/kg	TM157	<100								
2-Nitrophenol	<100 µg/kg	TM157	<100								
2-Nitroaniline	<100 µg/kg	TM157	<100								
2-Methylphenol	<100 µg/kg	TM157	<100								
1,2,4-Trichlorobenzene	<100 µg/kg	TM157	<100								
2-Chlorophenol	<100 µg/kg	TM157	<100								

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample Ref.	PH2 OB6	PH2 OB 7	PH2 OB 8	PH2 OB 9	PH2 OB 10	PH2 OB 11
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/07/2013	17/07/2013	17/07/2013	17/07/2013	17/07/2013	17/07/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/07/2013	18/07/2013	18/07/2013	18/07/2013	18/07/2013	18/07/2013
			SDG Ref	130718-30	130718-30	130718-30	130718-30	130718-30	130718-30
			Lab Sample No.(s)	7775010	7775011	7775014	7775016	7775018	7775019
			AGS Reference						
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		410	282	358	423	435	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	216	<100	<100
Anthracene	<100 µg/kg	TM157		648	131	<100	1630	261	<100
Benzo(a)anthracene	<100 µg/kg	TM157		1640	643	503	1110	2770	157
Benzo(b)fluoranthene	<100 µg/kg	TM157		854	709	521	921	2350	151
Benzo(k)fluoranthene	<100 µg/kg	TM157		394	505	408	796	1130	138
Benzo(a)pyrene	<100 µg/kg	TM157		719	635	493	1070	1620	154
Benzo(g,h,i)perylene	<100 µg/kg	TM157		495	453	370	655	1120	<100
Chrysene	<100 µg/kg	TM157		4220	1150	791	1350	5060	267
Fluoranthene	<100 µg/kg	TM157		1250	1010	714	1790	2070	254
Fluorene	<100 µg/kg	TM157		842	<100	<100	192	140	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		336	363	283	570	659	<100
Phenanthrene	<100 µg/kg	TM157		8520	1060	863	1690	2150	215
Pyrene	<100 µg/kg	TM157		3650	994	765	1480	3220	245
Naphthalene	<100 µg/kg	TM157		220	259	224	431	322	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		287	147	121	213	752	<100

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample Ref.	PH2 OB 12	PH2 OB 13	PH2 OB 14	PH2 OB15		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/07/2013	17/07/2013	17/07/2013	17/07/2013		
			Sample Time	.	.	.	.		
			Date Received	18/07/2013	18/07/2013	18/07/2013	18/07/2013		
			SDG Ref	130718-30	130718-30	130718-30	130718-30		
			Lab Sample No.(s)	7775022	7775023	7775025	7775026		
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157		219	<100	<100	<100		
Carbazole	<100 µg/kg	TM157		545	<100	157	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample Ref.	PH2 OB 12	PH2 OB 13	PH2 OB 14	PH2 OB15		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/07/2013	17/07/2013	17/07/2013	17/07/2013		
			Sample Time	.	.	.	.		
			Date Received	18/07/2013	18/07/2013	18/07/2013	18/07/2013		
			SDG Ref	130718-30	130718-30	130718-30	130718-30		
			Lab Sample No.(s)	7775022	7775023	7775025	7775026		
			AGS Reference						
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylnaphthalene	<100 µg/kg	TM157		595	<100	150	128		
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthene	<100 µg/kg	TM157		377	<100	171	<100		
Anthracene	<100 µg/kg	TM157		737	<100	214	<100		
Benzo(a)anthracene	<100 µg/kg	TM157		2470	285	721	459		
Benzo(b)fluoranthene	<100 µg/kg	TM157		1820	236	551	468		
Benzo(k)fluoranthene	<100 µg/kg	TM157		1740	234	488	373		
Benzo(a)pyrene	<100 µg/kg	TM157		2300	277	563	439		
Benzo(g,h,i)perylene	<100 µg/kg	TM157		1210	165	319	305		
Chrysene	<100 µg/kg	TM157		2660	419	1000	696		
Fluoranthene	<100 µg/kg	TM157		3980	467	1220	674		
Fluorene	<100 µg/kg	TM157		412	<100	164	<100		
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		1130	140	286	245		
Phenanthrene	<100 µg/kg	TM157		3260	395	1250	559		
Pyrene	<100 µg/kg	TM157		2970	436	1010	631		
Naphthalene	<100 µg/kg	TM157		622	<100	318	121		
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		434	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			PH2 OB6	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775010	
			PH2 OB 7	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775011	
			PH2 OB 8	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775014	
			PH2 OB 9	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775016	
			PH2 OB 10	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775018	
			PH2 OB 11	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775019	
GRO Surrogate % recovery**	%	TM089	77								
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1600 M		141 M		183 M		51.3 M		152 M		2550 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	11.2 M		2.3 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	6.72 M		<6 M		<6 M		<6 M		<6 M		<6 M	
o-Xylene	<3 µg/kg	TM089	4.48 M		<3 M		<3 M		<3 M		<3 M		<3 M	
sum of detected mpo xylene by GC	<9 µg/kg	TM089	11.2		<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	13.4		<10		<10		<10		<10		12.2	
Aliphatics >C6-C8	<10 µg/kg	TM089	52.6		20.7		13.4		<10		11.2		261	
Aliphatics >C8-C10	<10 µg/kg	TM089	98.6		24.2		28		<10		20.2		543	
Aliphatics >C10-C12	<10 µg/kg	TM089	805		38		69.4		17.1		59.4		823	
Aliphatics >C12-C16	<100 µg/kg	TM173	28900		5080		7660		14200		3700		25800	
Aliphatics >C16-C21	<100 µg/kg	TM173	68000		26700		24900		29500		21700		46500	
Aliphatics >C21-C35	<100 µg/kg	TM173	167000		97300		67900		82100		70700		103000	
Aliphatics >C35-C44	<100 µg/kg	TM173	27800		15900		6950		15600		11200		36500	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	292000		145000		107000		141000		107000		212000	
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10		<10		<10		<10		<10		<10	
Aromatics >EC7-EC8	<10 µg/kg	TM089	11.2		<10		<10		<10		<10		<10	
Aromatics >EC8-EC10	<10 µg/kg	TM089	78.4		23		19		<10		15.7		362	
Aromatics >EC10-EC12	<10 µg/kg	TM089	536		25.3		47		11.4		39.2		548	
Aromatics >EC12-EC16	<100 µg/kg	TM173	26700		3040		3440		5430		<100		7400	
Aromatics >EC16-EC21	<100 µg/kg	TM173	141000		17400		15800		20900		10300		22300	
Aromatics >EC21-EC35	<100 µg/kg	TM173	346000		129000		94300		122000		77300		111000	
Aromatics >EC35-EC44	<100 µg/kg	TM173	116000		56800		39200		64700		33100		65900	
Aromatics >EC40-EC44	<100 µg/kg	TM173	43200		20800		14200		26600		11800		26700	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	630000		206000		153000		213000		121000		207000	
Total Aliphatics >C5-35	<100 µg/kg	TM173	265000		129000		101000		126000		96200		177000	
Total Aromatics >C5-35	<100 µg/kg	TM173	514000		150000		114000		149000		87700		142000	
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	779000		279000		214000		274000		184000		319000	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	923000		351000		260000		355000		228000		421000	

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			PH2 OB 12	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775022	
			PH2 OB 13	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775023	
			PH2 OB 14	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775025	
			PH2 OB15	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775026	
GRO Surrogate % recovery**	%	TM089	94								
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1760 M								
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M								
Benzene	<10 µg/kg	TM089	<10 M								
Toluene	<2 µg/kg	TM089	<2 M								
Ethylbenzene	<3 µg/kg	TM089	<3 M								
m,p-Xylene	<6 µg/kg	TM089	<6 M								
o-Xylene	<3 µg/kg	TM089	<3 M								
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9								
sum of detected BTEX by GC	<24 µg/kg	TM089	<24								
Aliphatics >C5-C6	<10 µg/kg	TM089	<10								
Aliphatics >C6-C8	<10 µg/kg	TM089	68.3								
Aliphatics >C8-C10	<10 µg/kg	TM089	421								
Aliphatics >C10-C12	<10 µg/kg	TM089	585								
Aliphatics >C12-C16	<100 µg/kg	TM173	28100								
Aliphatics >C16-C21	<100 µg/kg	TM173	101000								
Aliphatics >C21-C35	<100 µg/kg	TM173	102000								
Aliphatics >C35-C44	<100 µg/kg	TM173	12800								
Total Aliphatics >C12-C44	<100 µg/kg	TM173	243000								
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10								
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10								
Aromatics >EC8-EC10	<10 µg/kg	TM089	287								
Aromatics >EC10-EC12	<10 µg/kg	TM089	390								
Aromatics >EC12-EC16	<100 µg/kg	TM173	30900								
Aromatics >EC16-EC21	<100 µg/kg	TM173	77700								
Aromatics >EC21-EC35	<100 µg/kg	TM173	144000								
Aromatics >EC35-EC44	<100 µg/kg	TM173	53600								
Aromatics >EC40-EC44	<100 µg/kg	TM173	22300								
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	307000								
Total Aliphatics >C5-35	<100 µg/kg	TM173	231000								
Total Aromatics >C5-35	<100 µg/kg	TM173	254000								
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	485000								
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	552000								

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	PH2 OB6	PH2 OB 7	PH2 OB 8	PH2 OB 9	PH2 OB 10	PH2 OB 11
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	17/07/2013	17/07/2013	17/07/2013	17/07/2013	17/07/2013	17/07/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/07/2013	18/07/2013	18/07/2013	18/07/2013	18/07/2013	18/07/2013
			SDG Ref	130718-30	130718-30	130718-30	130718-30	130718-30	130718-30
			Lab Sample No.(s)	7775010	7775011	7775014	7775016	7775018	7775019
			AGS Reference						
Dibromofluoromethane**	%	TM116		102	108	111	108	107	103
Toluene-d8**	%	TM116		98.2	102	97.6	101	101	98
4-Bromofluorobenzene**	%	TM116		140	107	134	108	105	132
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<80 M	<4 M	<80 M	<80 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7	<140	<7	<140	<140	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<200	<10	<200	<200	<10
Bromomethane	<13 µg/kg	TM116		<13 M	<260 M	<13 M	<260 M	<260 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<280 M	<280 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<120 M	<6 M	<120 M	<120 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<200 #	<10 #	<200 #	<200 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		13 M	<140 M	<7 M	<140 M	<140 M	12.5 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<200 #	<10 #	<200 #	<200 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<220 M	<11 M	<220 M	<220 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 M	<220 M	<11 M	<220 M	<220 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<160 M	<8 M	<160 M	<160 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<100 M	<5 M	<100 M	<100 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<240 M	<12 M	<240 M	<240 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<280 M	<280 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<160 M	<8 M	<160 M	<160 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<140 M	<7 M	<140 M	<140 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<220 M	<11 M	<220 M	<220 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<280 M	<280 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<100 M	<5 M	<100 M	<100 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<180 M	<9 M	<180 M	<180 M	30.9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<180 M	<9 M	<180 M	<180 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<240 M	<12 M	<240 M	<240 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<180 M	<9 M	<180 M	<180 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<140 M	<7 M	<140 M	<140 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14 M	<280 M	<14 M	<280 M	<280 M	<14 M
Toluene	<5 µg/kg	TM116		29.6 M	<100 M	<5 M	<100 M	<100 M	27.7 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<14	<280	<14	<280	<280	<14
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<200 M	<10 M	<200 M	<200 M	<10 M
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<140 #	<7 #	<140 #	<140 #	<7 #

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			PH2 OB6	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775010	
			PH2 OB 7	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775011	
			PH2 OB 8	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775014	
			PH2 OB 9	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775016	
			PH2 OB 10	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775018	
			PH2 OB 11	.	Soil/Solid	17/07/2013	.	18/07/2013	130718-30	7775019	
Tetrachloroethene	<5 µg/kg	TM116	<5 M	<100 M	<5 M	<100 M	<100 M	<5 M			
Dibromochloromethane	<13 µg/kg	TM116	<13 M	<260 M	<13 M	<260 M	<260 M	<13 M			
1,2-Dibromoethane	<12 µg/kg	TM116	<12 M	<240 M	<12 M	<240 M	<240 M	<12 M			
Chlorobenzene	<5 µg/kg	TM116	<5 M	<100 M	<5 M	<100 M	<100 M	<5 M			
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116	<10 M	<200 M	<10 M	<200 M	<200 M	<10 M			
Ethylbenzene	<4 µg/kg	TM116	11.9 M	<80 M	<4 M	<80 M	<80 M	6.2 M			
p/m-Xylene	<14 µg/kg	TM116	<14 #	<280 #	<14 #	<280 #	<280 #	<14 #			
o-Xylene	<10 µg/kg	TM116	<10 M	<200 M	<10 M	<200 M	<200 M	<10 M			
Styrene	<10 µg/kg	TM116	<10 M	<200 M	<10 M	<200 M	<200 M	<10 M			
Bromoform	<10 µg/kg	TM116	<10 M	<200 M	<10 M	<200 M	<200 M	<10 M			
Isopropylbenzene	<5 µg/kg	TM116	<5 M	<100 M	<5 M	<100 M	<100 M	<5 M			
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116	<10 #	<200 #	<10 #	<200 #	<200 #	<10 #			
1,2,3-Trichloropropane	<17 µg/kg	TM116	<17 M	<340 M	<17 M	<340 M	<340 M	<17 M			
Bromobenzene	<10 µg/kg	TM116	<10 M	<200 M	<10 M	<200 M	<200 M	<10 M			
Propylbenzene	<11 µg/kg	TM116	<11 M	<220 M	<11 M	<220 M	<220 M	<11 M			
2-Chlorotoluene	<9 µg/kg	TM116	<9 M	<180 M	<9 M	<180 M	<180 M	<9 M			
1,3,5-Trimethylbenzene	<8 µg/kg	TM116	<8 #	<160 #	<8 #	<160 #	<160 #	<8 #			
4-Chlorotoluene	<12 µg/kg	TM116	<12 M	<240 M	<12 M	<240 M	<240 M	<12 M			
tert-Butylbenzene	<12 µg/kg	TM116	<12 #	<240 #	<12 #	<240 #	<240 #	<12 #			
1,2,4-Trimethylbenzene	<9 µg/kg	TM116	12.7 #	<180 #	<9 #	<180 #	<180 #	<9 #			
sec-Butylbenzene	<10 µg/kg	TM116	<10 M	<200 M	<10 M	<200 M	<200 M	<10 M			
4-Isopropyltoluene	<11 µg/kg	TM116	<11 M	<220 M	<11 M	<220 M	<220 M	<11 M			
1,3-Dichlorobenzene	<6 µg/kg	TM116	<6 M	<120 M	<6 M	<120 M	<120 M	<6 M			
1,4-Dichlorobenzene	<5 µg/kg	TM116	<5 M	<100 M	<5 M	<100 M	<100 M	<5 M			
n-Butylbenzene	<10 µg/kg	TM116	<10 M	<200 M	<10 M	<200 M	<200 M	<10 M			
1,2-Dichlorobenzene	<12 µg/kg	TM116	<12 M	<240 M	<12 M	<240 M	<240 M	<12 M			
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<14 M	<280 M	<14 M	<280 M	<280 M	<14 M			
Tert-amyl methyl ether	<15 µg/kg	TM116	<15	<300	<15	<300	<300	<15			
1,2,4-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<120 #	<6 #	<120 #	<120 #	<6 #			
Hexachlorobutadiene	<12 µg/kg	TM116	<12	<240	<12	<240	<240	<12			
Naphthalene	<13 µg/kg	TM116	19.3 M	<260 M	<13 M	<260 M	<260 M	781 M			
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<6 M	<120 M	<6 M	<120 M	<120 M	15.3 M			

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	PH2 OB 12	PH2 OB 13	PH2 OB 14	PH2 OB15		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/07/2013	17/07/2013	17/07/2013	17/07/2013		
			Sample Time	.	.	.	.		
			Date Received	18/07/2013	18/07/2013	18/07/2013	18/07/2013		
			SDG Ref	130718-30	130718-30	130718-30	130718-30		
			Lab Sample No.(s)	7775022	7775023	7775025	7775026		
			AGS Reference						
Dibromofluoromethane**	%	TM116		111	101	107	109		
Toluene-d8**	%	TM116		104	97.7	95.8	100		
4-Bromofluorobenzene**	%	TM116		127	135	130	106		
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<80 M		
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<140		
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<200		
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<260 M		
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M		
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M		
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #		
Carbon Disulphide	<7 µg/kg	TM116		16.1 M	17.2 M	12.8 M	<140 M		
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M		
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M		
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<160 M		
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M		
2,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M		
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M		
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<160 M		
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<140 M		
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M		
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M		
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M		
Benzene	<9 µg/kg	TM116		13.2 M	11.7 M	13.1 M	<180 M		
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M		
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M		
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M		
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<140 M		
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M		
Toluene	<5 µg/kg	TM116		19.6 M	8.17 M	16.4 M	<100 M		
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<14	<14	<14	<280		
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M		
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<140 #		

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample Ref.	PH2 OB 12	PH2 OB 13	PH2 OB 14	PH2 OB15		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	17/07/2013	17/07/2013	17/07/2013	17/07/2013		
			Sample Time	.	.	.	.		
			Date Received	18/07/2013	18/07/2013	18/07/2013	18/07/2013		
			SDG Ref	130718-30	130718-30	130718-30	130718-30		
			Lab Sample No.(s)	7775022	7775023	7775025	7775026		
			AGS Reference						
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M		
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<260 M		
1,2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M		
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M		
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M		
Ethylbenzene	<4 µg/kg	TM116		5.04 M	<4 M	<4 M	<80 M		
p/m-Xylene	<14 µg/kg	TM116		18.2 #	<14 #	<14 #	<280 #		
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M		
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M		
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M		
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M		
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #		
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<340 M		
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M		
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M		
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M		
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<160 #		
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M		
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<240 #		
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		17.2 #	<9 #	<9 #	<180 #		
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M		
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M		
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M		
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M		
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M		
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M		
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M		
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<300		
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<120 #		
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<240		
Naphthalene	<13 µg/kg	TM116		47.9 M	<13 M	<13 M	<260 M		
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M		

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**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	PH2 OB6 SOLID 17/07/2013 00:00:00 130718-30 7775010 TM048	1/8/13	Lauren Sargeant	Soil containing loose fibres and ACM debris	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB 7 SOLID 17/07/2013 00:00:00 130718-30 7775011 TM048	1/8/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB 8 SOLID 17/07/2013 00:00:00 130718-30 7775014 TM048	1/8/13	Paul Fenney	Soil containing loose fibres and debrsi typical of AC	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	PH2 OB 9 SOLID 17/07/2013 00:00:00 130718-30 7775016 TM048	1/8/13	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB 10 SOLID 17/07/2013 00:00:00 130718-30 7775018 TM048	1/8/13	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	PH2 OB 11 SOLID 17/07/2013 00:00:00 130718-30 7775019 TM048	1/8/13	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**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	PH2 OB 12 SOLID 17/07/2013 00:00:00 130718-30 7775022 TM048	1/8/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB 13 SOLID 17/07/2013 00:00:00 130718-30 7775023 TM048	1/8/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB 14 SOLID 17/07/2013 00:00:00 130718-30 7775025 TM048	1/8/13	Paul Fenney	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB15 SOLID 17/07/2013 00:00:00 130718-30 7775026 TM048	1/8/13	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	7775010	7775026	7775011	7775014	7775016	7775018	7775019	7775022	7775023	7775025
Customer Sample Ref.	PH2 OB6	PH2 OB15	PH2 OB 7	PH2 OB 8	PH2 OB 9	PH2 OB 10	PH2 OB 11	PH2 OB 12	PH2 OB 13	PH2 OB 14
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	01-Aug-2013	01-Aug-2013	01-Aug-2013	01-Aug-2013	01-Aug-2013	01-Aug-2013	01-Aug-2013	01-Aug-2013	01-Aug-2013	01-Aug-2013
EPH CWG (Aliphatic) GC (S)	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013
EPH CWG (Aromatic) GC (S)	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013
GRO by GC-FID (S)	27-Jul-2013	28-Jul-2013	27-Jul-2013	27-Jul-2013	27-Jul-2013	28-Jul-2013	27-Jul-2013	28-Jul-2013	28-Jul-2013	27-Jul-2013
Metals in solid samples by OES	24-Jul-2013	23-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013	23-Jul-2013	24-Jul-2013	23-Jul-2013	23-Jul-2013
pH	19-Jul-2013	19-Jul-2013	19-Jul-2013	19-Jul-2013	19-Jul-2013	19-Jul-2013	19-Jul-2013	19-Jul-2013	19-Jul-2013	19-Jul-2013
Sample description	18-Jul-2013	18-Jul-2013	18-Jul-2013	18-Jul-2013	18-Jul-2013	18-Jul-2013	18-Jul-2013	18-Jul-2013	18-Jul-2013	18-Jul-2013
Semi Volatile Organic Compounds	22-Jul-2013	22-Jul-2013	22-Jul-2013	22-Jul-2013	25-Jul-2013	25-Jul-2013	22-Jul-2013	25-Jul-2013	22-Jul-2013	22-Jul-2013
Total Organic Carbon	23-Jul-2013	23-Jul-2013	23-Jul-2013	23-Jul-2013	23-Jul-2013	23-Jul-2013	22-Jul-2013	23-Jul-2013	23-Jul-2013	23-Jul-2013
TPH CWG GC (S)	27-Jul-2013	28-Jul-2013	27-Jul-2013	27-Jul-2013	27-Jul-2013	28-Jul-2013	27-Jul-2013	28-Jul-2013	28-Jul-2013	27-Jul-2013
VOC MS (S)	30-Jul-2013	31-Jul-2013	31-Jul-2013	30-Jul-2013	31-Jul-2013	31-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013

SDG:	130718-30	**Location:**	Coed Darcy	**Order Number:**	CD0460
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	236010
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Appendix
General

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

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

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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Atkins Global Ltd
Project Jonah site office
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Attention: Adam Putt

CERTIFICATE OF ANALYSIS

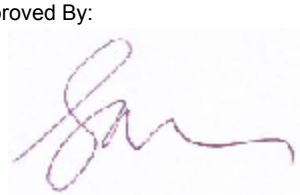
Date:	06 August 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	130724-72
Your Reference:	
Location:	Coed Darcy
Report No:	236546

We received 5 samples on Wednesday July 24, 2013 and 5 of these samples were scheduled for analysis which was completed on Tuesday August 06, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
7809256	PH2 OB		16.00	22/07/2013
7809258	PH2 OB		17.00	22/07/2013
7809259	PH2 OB		18.00	
7809260	PH2 OB		19.00	
7809261	PH2 OB		20.00	

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

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	7809256	7809258	7809259	7809260	7809261
			Customer Sample Reference	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
			AGS Reference					
			Depth (m)	16.00	17.00	18.00	19.00	20.00
			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)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 5		X	X	X	X	X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 5		X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 5		X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 5		X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 5		X	X	X	X	X
pH	All	NDPs: 0 Tests: 5		X	X	X	X	X
Sample description	All	NDPs: 0 Tests: 5		X	X	X	X	X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 5		X	X	X	X	X
Total Organic Carbon	All	NDPs: 0 Tests: 5		X	X	X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 5		X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 5		X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**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
7809256	PH2 OB	16.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
7809258	PH2 OB	17.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7809259	PH2 OB	18.00	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7809260	PH2 OB	19.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7809261	PH2 OB	20.00	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
			Depth (m)	16.00	17.00	18.00	19.00	20.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2013	22/07/2013	-	-	-
			Sample Time	.	.	.	.	.
			Date Received	24/07/2013	24/07/2013	24/07/2013	24/07/2013	24/07/2013
			SDG Ref	130724-72	130724-72	130724-72	130724-72	130724-72
			Lab Sample No.(s)	7809256	7809258	7809259	7809260	7809261
			AGS Reference					
Soil Organic Matter (SOM)	<0.35 %	TM132		2.38 #	2.57 #	19.7 § #	6.29 § #	1.21 § #
pH	1 pH Units	TM133		7.73 M	7.91 M	7.73 § M	8.32 § M	7.07 § M
Arsenic	<0.6 mg/kg	TM181		15.8 M	13.4 M	27.4 § M	31.6 § M	11.5 § M
Cadmium	<0.02 mg/kg	TM181		1.34 M	1.01 M	1.31 § M	1.63 § M	0.878 § M
Chromium	<0.9 mg/kg	TM181		14.2 M	13 M	12.8 § M	28.2 § M	12.2 § M
Copper	<1.4 mg/kg	TM181		33 M	28.8 M	58.4 § M	197 § M	23.9 § M
Lead	<0.7 mg/kg	TM181		42.5 M	55.2 M	70.6 § M	361 § M	26.2 § M
Mercury	<0.14 mg/kg	TM181		0.168 M	0.37 M	0.151 § M	0.687 § M	<0.14 § M
Nickel	<0.2 mg/kg	TM181		23.8 M	23.4 M	21.5 § M	29.5 § M	21.3 § M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 § #	<1 § #	<1 § #
Vanadium	<0.2 mg/kg	TM181		14.4 #	13.8 #	18 § #	25.3 § #	13.3 § #
Zinc	<1.9 mg/kg	TM181		119 M	117 M	258 § M	660 § M	83.9 § M

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
			Depth (m)	16.00	17.00	18.00	19.00	20.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2013	22/07/2013	-	-	-
			Sample Time	.	.	.	.	.
			Date Received	24/07/2013	24/07/2013	24/07/2013	24/07/2013	24/07/2013
			SDG Ref	130724-72	130724-72	130724-72	130724-72	130724-72
			Lab Sample No.(s)	7809256	7809258	7809259	7809260	7809261
			AGS Reference					
Phenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Isophorone	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Carbazole	<100 µg/kg	TM157		113	<100	<100 §	278 §	<100 §
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Azobenzene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
			Depth (m)	16.00	17.00	18.00	19.00	20.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2013	22/07/2013	-	-	-
			Sample Time	.	.	.	.	.
			Date Received	24/07/2013	24/07/2013	24/07/2013	24/07/2013	24/07/2013
			SDG Ref	130724-72	130724-72	130724-72	130724-72	130724-72
			Lab Sample No.(s)	7809256	7809258	7809259	7809260	7809261
			AGS Reference					
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	145 §	549 §	<100 §
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100 §	<200 §	<100 §
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100 §	364 §	<100 §
Anthracene	<100 µg/kg	TM157		150	<100	<100 §	300 §	<100 §
Benzo(a)anthracene	<100 µg/kg	TM157		689	247	392 §	2200 §	226 §
Benzo(b)fluoranthene	<100 µg/kg	TM157		489	199	452 §	2160 §	127 §
Benzo(k)fluoranthene	<100 µg/kg	TM157		389	162	315 §	1860 §	122 §
Benzo(a)pyrene	<100 µg/kg	TM157		542	225	380 §	2280 §	148 §
Benzo(g,h,i)perylene	<100 µg/kg	TM157		234	116	208 §	1640 §	<100 §
Chrysene	<100 µg/kg	TM157		611	287	452 §	3430 §	206 §
Fluoranthene	<100 µg/kg	TM157		1010	326	503 §	3290 §	397 §
Fluorene	<100 µg/kg	TM157		<100	<100	<100 §	259 §	<100 §
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		224	<100	199 §	1320 §	<100 §
Phenanthrene	<100 µg/kg	TM157		595	194	295 §	2710 §	125 §
Pyrene	<100 µg/kg	TM157		709	247	397 §	3140 §	304 §
Naphthalene	<100 µg/kg	TM157		<100	<100	<100 §	358 §	<100 §
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100 §	444 §	<100 §

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
			Depth (m)	16.00	17.00	18.00	19.00	20.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2013	22/07/2013	-	-	-
			Sample Time	.	.	.	.	.
			Date Received	24/07/2013	24/07/2013	24/07/2013	24/07/2013	24/07/2013
			SDG Ref	130724-72	130724-72	130724-72	130724-72	130724-72
			Lab Sample No.(s)	7809256	7809258	7809259	7809260	7809261
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		88	98	80 §	45 §	109 §
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1450 M	1510 M	184 § M	196 § M	25600 § M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 § M	<5 § M	<5 § M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 § M	<10 § M	<10 § M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 § M	2.13 § M	<2 § M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 § M	<3 § M	<3 § M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 § M	<6 § M	<6 § M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 § M	<3 § M	<3 § M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9 §	<9 §	<9 §
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24 §	<24 §	<24 §
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10 §	<10 §	11 §
Aliphatics >C6-C8	<10 µg/kg	TM089		64.9	44.3	26.9 §	16 §	970 §
Aliphatics >C8-C10	<10 µg/kg	TM089		276	188	27.9 §	34.1 §	6300 §
Aliphatics >C10-C12	<10 µg/kg	TM089		550	685	58 §	68.2 §	8480 §
Aliphatics >C12-C16	<100 µg/kg	TM173		29100	5880	13200 §	10900 §	49700 §
Aliphatics >C16-C21	<100 µg/kg	TM173		72000	17600	43300 §	28800 §	95500 §
Aliphatics >C21-C35	<100 µg/kg	TM173		336000	77900	61200 §	98600 §	388000 §
Aliphatics >C35-C44	<100 µg/kg	TM173		133000	24200	15200 §	43900 §	120000 §
Total Aliphatics >C12-C44	<100 µg/kg	TM173		571000	126000	133000 §	182000 §	653000 §
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10 §	<10 §	<10 §
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10 §	<10 §	<10 §
Aromatics >EC8-EC10	<10 µg/kg	TM089		184	126	23.6 §	24.5 §	4200 §
Aromatics >EC10-EC12	<10 µg/kg	TM089		366	457	38.7 §	45.8 §	5660 §
Aromatics >EC12-EC16	<100 µg/kg	TM173		10600	4400	6700 §	5580 §	18100 §
Aromatics >EC16-EC21	<100 µg/kg	TM173		38200	12700	30800 §	23300 §	48800 §
Aromatics >EC21-EC35	<100 µg/kg	TM173		165000	76200	104000 §	156000 §	129000 §
Aromatics >EC35-EC44	<100 µg/kg	TM173		79900	34400	41800 §	96900 §	42800 §
Aromatics >EC40-EC44	<100 µg/kg	TM173		32200	12400	14400 §	46100 §	17000 §
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		294000	128000	183000 §	282000 §	239000 §
Total Aliphatics >C5-35	<100 µg/kg	TM173		438000	102000	118000 §	139000 §	549000 §
Total Aromatics >C5-35	<100 µg/kg	TM173		215000	93900	141000 §	185000 §	206000 §
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		653000	196000	259000 §	323000 §	755000 §

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
#	ISO17025 accredited.						
M	*m*CERTS accredited.						
aq	Aqueous / settled sample.	Depth (m)	16.00	17.00	18.00	19.00	20.00
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	22/07/2013	22/07/2013	-	-	-
*	Subcontracted test.	Sample Time	.	.	.	.	.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	24/07/2013	24/07/2013	24/07/2013	24/07/2013	24/07/2013
		SDG Ref	130724-72	130724-72	130724-72	130724-72	130724-72
(F)	Trigger breach confirmed	Lab Sample No.(s)	7809256	7809258	7809259	7809260	7809261
1-4&+§@	Sample deviation (see appendix)	AGS Reference					

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	866000	255000	316000 §	464000 §	918000 §	

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
			Depth (m)	16.00	17.00	18.00	19.00	20.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2013	22/07/2013	-	-	-
			Sample Time	.	.	.	.	.
			Date Received	24/07/2013	24/07/2013	24/07/2013	24/07/2013	24/07/2013
			SDG Ref	130724-72	130724-72	130724-72	130724-72	130724-72
			Lab Sample No.(s)	7809256	7809258	7809259	7809260	7809261
			AGS Reference					
Dibromofluoromethane**	%	TM116		104	102	106 §	108 §	106 §
Toluene-d8**	%	TM116		101	94.5	104 §	104 §	99.5 §
4-Bromofluorobenzene**	%	TM116		127	127	103 §	107 §	124 §
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 M	<4 M	<80 § M	<80 § M	<8 § M
Chloromethane	<7 µg/kg	TM116		<14	<7	<140 §	<140 §	<14 §
Vinyl Chloride	<10 µg/kg	TM116		<20	<10	<200 §	<200 §	<20 §
Bromomethane	<13 µg/kg	TM116		<26 M	<13 M	<260 § M	<260 § M	<26 § M
Chloroethane	<14 µg/kg	TM116		<28 M	<14 M	<280 § M	<280 § M	<28 § M
Trichlorofluorormethane	<6 µg/kg	TM116		<12 M	<6 M	<120 § M	<120 § M	<12 § M
1,1-Dichloroethene	<10 µg/kg	TM116		<20 #	<10 #	<200 § #	<200 § #	<20 § #
Carbon Disulphide	<7 µg/kg	TM116		<14 M	13.8 M	<140 § M	<140 § M	17.8 § M
Dichloromethane	<10 µg/kg	TM116		<20 #	<10 #	<200 § #	<200 § #	<20 § #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22 M	<11 M	<220 § M	<220 § M	<22 § M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<22 M	<11 M	<220 § M	<220 § M	<22 § M
1,1-Dichloroethane	<8 µg/kg	TM116		<16 M	<8 M	<160 § M	<160 § M	<16 § M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<10 M	<5 M	<100 § M	<100 § M	<10 § M
2,2-Dichloropropane	<12 µg/kg	TM116		<24 M	<12 M	<240 § M	<240 § M	<24 § M
Bromochloromethane	<14 µg/kg	TM116		<28 M	<14 M	<280 § M	<280 § M	<28 § M
Chloroform	<8 µg/kg	TM116		<16 M	<8 M	<160 § M	<160 § M	<16 § M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<14 M	<7 M	<140 § M	<140 § M	<14 § M
1,1-Dichloropropene	<11 µg/kg	TM116		<22 M	<11 M	<220 § M	<220 § M	<22 § M
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<14 M	<280 § M	<280 § M	<28 § M
1,2-Dichloroethane	<5 µg/kg	TM116		<10 M	<5 M	<100 § M	<100 § M	<10 § M
Benzene	<9 µg/kg	TM116		<18 M	<9 M	<180 § M	<180 § M	<18 § M
Trichloroethene	<9 µg/kg	TM116		<18 M	<9 M	<180 § M	<180 § M	<18 § M
1,2-Dichloropropane	<12 µg/kg	TM116		<24 M	<12 M	<240 § M	<240 § M	<24 § M
Dibromomethane	<9 µg/kg	TM116		<18 M	<9 M	<180 § M	<180 § M	<18 § M
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<7 M	<140 § M	<140 § M	<14 § M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<28 M	<14 M	<280 § M	<280 § M	<28 § M
Toluene	<5 µg/kg	TM116		15.1 M	<5 M	<100 § M	<100 § M	<10 § M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<200	<100	<2000 §	<2000 §	<200 §
1,1,2-Trichloroethane	<10 µg/kg	TM116		<20 M	<10 M	<200 § M	<200 § M	<20 § M

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
			Depth (m)	16.00	17.00	18.00	19.00	20.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2013	22/07/2013	-	-	-
			Sample Time	.	.	.	.	.
			Date Received	24/07/2013	24/07/2013	24/07/2013	24/07/2013	24/07/2013
			SDG Ref	130724-72	130724-72	130724-72	130724-72	130724-72
			Lab Sample No.(s)	7809256	7809258	7809259	7809260	7809261
			AGS Reference					
1,3-Dichloropropane	<7 µg/kg	TM116		<14 #	<7 #	<140 § #	<140 § #	<14 § #
Tetrachloroethene	<5 µg/kg	TM116		<10 M	<5 M	<100 § M	<100 § M	<10 § M
Dibromochloromethane	<13 µg/kg	TM116		<26 M	<13 M	<260 § M	<260 § M	<26 § M
1,2-Dibromoethane	<12 µg/kg	TM116		<24 M	<12 M	<240 § M	<240 § M	<24 § M
Chlorobenzene	<5 µg/kg	TM116		<10 M	<5 M	<100 § M	<100 § M	<10 § M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<10 M	<200 § M	<200 § M	<20 § M
Ethylbenzene	<4 µg/kg	TM116		<8 M	<4 M	<80 § M	<80 § M	<8 § M
p/m-Xylene	<14 µg/kg	TM116		<28 #	<14 #	<280 § #	<280 § #	<28 § #
o-Xylene	<10 µg/kg	TM116		<20 M	<10 M	<200 § M	<200 § M	<20 § M
Styrene	<10 µg/kg	TM116		<20 M	<10 M	<200 § M	<200 § M	<20 § M
Bromoform	<10 µg/kg	TM116		<20 M	<10 M	<200 § M	<200 § M	<20 § M
Isopropylbenzene	<5 µg/kg	TM116		<10 M	<5 M	<100 § M	<100 § M	<10 § M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<10 #	<200 § #	<200 § #	<20 § #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<34 M	<17 M	<340 § M	<340 § M	<34 § M
Bromobenzene	<10 µg/kg	TM116		<20 M	<10 M	<200 § M	<200 § M	<20 § M
Propylbenzene	<11 µg/kg	TM116		<22 M	<11 M	<220 § M	<220 § M	<22 § M
2-Chlorotoluene	<9 µg/kg	TM116		<18 M	<9 M	<180 § M	<180 § M	<18 § M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<16 #	<8 #	<160 § #	<160 § #	<16 § #
4-Chlorotoluene	<12 µg/kg	TM116		<24 M	<12 M	<240 § M	<240 § M	<24 § M
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<12 #	<240 § #	<240 § #	<24 § #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<18 #	<9 #	<180 § #	<180 § #	<18 § #
sec-Butylbenzene	<10 µg/kg	TM116		<20 M	<10 M	<200 § M	<200 § M	<20 § M
4-Isopropyltoluene	<11 µg/kg	TM116		<22 M	<11 M	<220 § M	<220 § M	<22 § M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<12 M	<6 M	<120 § M	<120 § M	<12 § M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<5 M	<100 § M	<100 § M	<10 § M
n-Butylbenzene	<10 µg/kg	TM116		<20 M	<10 M	<200 § M	<200 § M	<20 § M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<12 M	<240 § M	<240 § M	<24 § M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 M	<14 M	<280 § M	<280 § M	<28 § M
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<15	<300 §	<300 §	<30 §
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<6 #	<120 § #	<120 § #	<12 § #
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<12	<240 §	<240 §	<24 §
Naphthalene	<13 µg/kg	TM116		<26 M	<13 M	<260 § M	<260 § M	<26 § M

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
			Depth (m)	16.00	17.00	18.00	19.00	20.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2013	22/07/2013	-	-	-
			Sample Time	.	.	.	.	.
			Date Received	24/07/2013	24/07/2013	24/07/2013	24/07/2013	24/07/2013
			SDG Ref	130724-72	130724-72	130724-72	130724-72	130724-72
			Lab Sample No.(s)	7809256	7809258	7809259	7809260	7809261
			AGS Reference					
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<12 M	<6 M	<120 § M	<120 § M	<12 § M

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**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	PH2 OB 16.00 SOLID 22/07/2013 00:00:00 130724-72 7809256 TM048	06/08/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB 17.00 SOLID 22/07/2013 00:00:00 130724-72 7809258 TM048	06/08/13	Chris Swindells	-	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	PH2 OB 18.00 SOLID 130724-72 7809259 TM048	06/08/13	Chris Swindells	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB 19.00 SOLID 130724-72 7809260 TM048	06/08/13	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	PH2 OB 20.00 SOLID 130724-72 7809261 TM048	06/08/13	Chris Swindells	Soil containing loose fibres and ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	7809256	7809258	7809259	7809260	7809261
Customer Sample Ref.	PH2 OB	PH2 OB	PH2 OB	PH2 OB	PH2 OB
AGS Ref.					
Depth	16.00	17.00	18.00	19.00	20.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	06-Aug-2013	06-Aug-2013	06-Aug-2013	06-Aug-2013	06-Aug-2013
EPH CWG (Aliphatic) GC (S)	05-Aug-2013	05-Aug-2013	05-Aug-2013	05-Aug-2013	05-Aug-2013
EPH CWG (Aromatic) GC (S)	05-Aug-2013	05-Aug-2013	05-Aug-2013	05-Aug-2013	05-Aug-2013
GRO by GC-FID (S)	05-Aug-2013	03-Aug-2013	05-Aug-2013	05-Aug-2013	03-Aug-2013
Metals in solid samples by OES	05-Aug-2013	05-Aug-2013	05-Aug-2013	06-Aug-2013	05-Aug-2013
pH	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
Sample description	26-Jul-2013	26-Jul-2013	26-Jul-2013	26-Jul-2013	26-Jul-2013
Semi Volatile Organic Compounds	02-Aug-2013	02-Aug-2013	02-Aug-2013	02-Aug-2013	02-Aug-2013
Total Organic Carbon	05-Aug-2013	05-Aug-2013	05-Aug-2013	05-Aug-2013	05-Aug-2013
TPH CWG GC (S)	05-Aug-2013	05-Aug-2013	05-Aug-2013	05-Aug-2013	05-Aug-2013
VOC MS (S)	06-Aug-2013	05-Aug-2013	06-Aug-2013	06-Aug-2013	06-Aug-2013

SDG:	130724-72	**Location:**	Coed Darcy	**Order Number:**	CD0465
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236546
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Appendix
General

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

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

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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Atkins Global Ltd
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Coed Darcy
Llandarcy
SA10 6HJ

Attention: Adam Putt

CERTIFICATE OF ANALYSIS

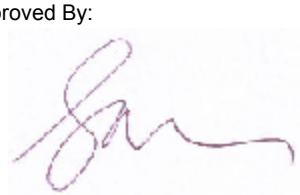
Date:	09 August 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	130726-48
Your Reference:	
Location:	Coed Darcy
Report No:	236999

We received 5 samples on Friday July 26, 2013 and 5 of these samples were scheduled for analysis which was completed on Friday August 09, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

Alcontrol Laboratories is a trading division of ALcontrol UK Limited
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CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
7823461	PH2 OB 21			25/07/2013
7823465	PH2 OB 22			25/07/2013
7823466	PH2 OB 23			25/07/2013
7823468	PH2 OB 24			25/07/2013
7823469	PH2 OB 25			25/07/2013

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

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	7823461			7823465			7823466			7823468			7823469		
			Customer Sample Reference	PH2 OB 21			PH2 OB 22			PH2 OB 23			PH2 OB 24			PH2 OB 25		
			AGS Reference															
			Depth (m)															
			Container	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 5			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 5				X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 5		X			X			X			X			X		
pH	All	NDPs: 0 Tests: 5			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 5		X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 5		X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 5		X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 5				X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**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
7823461	PH2 OB 21		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
7823465	PH2 OB 22		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
7823466	PH2 OB 23		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7823468	PH2 OB 24		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7823469	PH2 OB 25		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:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/07/2013	25/07/2013	25/07/2013	25/07/2013	25/07/2013
			Sample Time	.	.	.	.	.
			Date Received	26/07/2013	26/07/2013	26/07/2013	26/07/2013	26/07/2013
			SDG Ref	130726-48	130726-48	130726-48	130726-48	130726-48
			Lab Sample No.(s)	7823461	7823465	7823466	7823468	7823469
			AGS Reference					
Soil Organic Matter (SOM)	<0.35 %	TM132		0.964 #	1.81 #	2.28 #	1.34 #	1.56 #
pH	1 pH Units	TM133		7.38 M	7.23 M	7.59 M	6.91 M	8.78 M
Arsenic	<0.6 mg/kg	TM181		8.18 M	9.02 M	15.5 M	9.85 M	11.3 M
Cadmium	<0.02 mg/kg	TM181		0.915 M	0.816 M	1.04 M	1.03 M	1.29 M
Chromium	<0.9 mg/kg	TM181		13.5 M	18.1 M	14.9 M	15.5 M	13.3 M
Copper	<1.4 mg/kg	TM181		12.1 M	17.3 M	27.9 M	18.3 M	22.3 M
Lead	<0.7 mg/kg	TM181		11 M	14.2 M	36 M	15.6 M	43.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.341 M	<0.14 M	3.71 M
Nickel	<0.2 mg/kg	TM181		21.2 M	18.7 M	21.8 M	19.9 M	20.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.4 #	18.1 #	16.9 #	16.9 #	18.3 #
Zinc	<1.9 mg/kg	TM181		50.8 M	52.6 M	107 M	56.8 M	105 M

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/07/2013	25/07/2013	25/07/2013	25/07/2013	25/07/2013
			Sample Time	.	.	.	.	.
			Date Received	26/07/2013	26/07/2013	26/07/2013	26/07/2013	26/07/2013
			SDG Ref	130726-48	130726-48	130726-48	130726-48	130726-48
			Lab Sample No.(s)	7823461	7823465	7823466	7823468	7823469
			AGS Reference					
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	112
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/07/2013	25/07/2013	25/07/2013	25/07/2013	25/07/2013
			Sample Time	.	.	.	.	.
			Date Received	26/07/2013	26/07/2013	26/07/2013	26/07/2013	26/07/2013
			SDG Ref	130726-48	130726-48	130726-48	130726-48	130726-48
			Lab Sample No.(s)	7823461	7823465	7823466	7823468	7823469
			AGS Reference					
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	112	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	116	194	325	341
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	160	268	401	478
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	211	239	336
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	232	250	423
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	151	129	289
Chrysene	<100 µg/kg	TM157		<100	183	331	481	530
Fluoranthene	<100 µg/kg	TM157		<100	116	184	452	488
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	139	147	262
Phenanthrene	<100 µg/kg	TM157		<100	<100	149	181	423
Pyrene	<100 µg/kg	TM157		<100	116	338	330	602
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/07/2013	25/07/2013	25/07/2013	25/07/2013	25/07/2013
			Sample Time	.	.	.	.	.
			Date Received	26/07/2013	26/07/2013	26/07/2013	26/07/2013	26/07/2013
			SDG Ref	130726-48	130726-48	130726-48	130726-48	130726-48
			Lab Sample No.(s)	7823461	7823465	7823466	7823468	7823469
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		104	106	102	99	71
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		35200 M	<44 M	32100 M	2390 M	11400 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	2.28 M	2.19 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		14.2	<10	84	14.8	12.1
Aliphatics >C6-C8	<10 µg/kg	TM089		1090	<10	2800	69.5	46
Aliphatics >C8-C10	<10 µg/kg	TM089		5940	<10	5980	312	646
Aliphatics >C10-C12	<10 µg/kg	TM089		14500	<10	11600	1070	6160
Aliphatics >C12-C16	<100 µg/kg	TM173		91100	7900	76000	8730	85800
Aliphatics >C16-C21	<100 µg/kg	TM173		162000	14800	116000	13400	147000
Aliphatics >C21-C35	<100 µg/kg	TM173		58400	19500	136000	20300	316000
Aliphatics >C35-C44	<100 µg/kg	TM173		6490	3830	28700	5270	109000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		318000	46000	357000	47700	659000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		3960	<10	3980	207	432
Aromatics >EC10-EC12	<10 µg/kg	TM089		9700	<10	7710	711	4100
Aromatics >EC12-EC16	<100 µg/kg	TM173		31900	3790	53100	<100	31700
Aromatics >EC16-EC21	<100 µg/kg	TM173		73200	8280	165000	9430	106000
Aromatics >EC21-EC35	<100 µg/kg	TM173		44300	17300	356000	37000	229000
Aromatics >EC35-EC44	<100 µg/kg	TM173		9890	4750	82400	11400	99800
Aromatics >EC40-EC44	<100 µg/kg	TM173		3670	1780	30900	4610	36700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		159000	34100	656000	57800	467000
Total Aliphatics >C5-35	<100 µg/kg	TM173		333000	42200	348000	43900	556000
Total Aromatics >C5-35	<100 µg/kg	TM173		163000	29400	586000	47300	372000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		496000	71600	934000	91200	928000

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25	
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery 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)	.	.	.	.	.	
		Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
		Date Sampled	25/07/2013	25/07/2013	25/07/2013	25/07/2013	25/07/2013	
		Sample Time	.	.	.	.	.	
		Date Received	26/07/2013	26/07/2013	26/07/2013	26/07/2013	26/07/2013	
		SDG Ref	130726-48	130726-48	130726-48	130726-48	130726-48	
(F)	Trigger breach confirmed	Lab Sample No.(s)	7823461	7823465	7823466	7823468	7823469	
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	512000	80100	1050000	108000	1140000	

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/07/2013	25/07/2013	25/07/2013	25/07/2013	25/07/2013
			Sample Time	.	.	.	.	.
			Date Received	26/07/2013	26/07/2013	26/07/2013	26/07/2013	26/07/2013
			SDG Ref	130726-48	130726-48	130726-48	130726-48	130726-48
			Lab Sample No.(s)	7823461	7823465	7823466	7823468	7823469
			AGS Reference					
Dibromofluoromethane**	%	TM116		119	119	116	116	116
Toluene-d8**	%	TM116		99.1	99.8	99.5	101	92
4-Bromofluorobenzene**	%	TM116		127	119	125	113	129
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	8.31 M	12.3 M	40.3 M	15.2 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 M	<5 M	6.27 M	<5 M	6.33 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/07/2013	25/07/2013	25/07/2013	25/07/2013	25/07/2013
			Sample Time	.	.	.	.	.
			Date Received	26/07/2013	26/07/2013	26/07/2013	26/07/2013	26/07/2013
			SDG Ref	130726-48	130726-48	130726-48	130726-48	130726-48
			Lab Sample No.(s)	7823461	7823465	7823466	7823468	7823469
			AGS Reference					
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M
1,2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	13.5 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	23.8 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	25/07/2013	25/07/2013	25/07/2013	25/07/2013	25/07/2013
			Sample Time	.	.	.	.	.
			Date Received	26/07/2013	26/07/2013	26/07/2013	26/07/2013	26/07/2013
			SDG Ref	130726-48	130726-48	130726-48	130726-48	130726-48
			Lab Sample No.(s)	7823461	7823465	7823466	7823468	7823469
			AGS Reference					
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**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	PH2 OB 21 SOLID 25/07/2013 00:00:00 130726-48 7823461 TM048	08/08/13	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	PH2 OB 22 SOLID 25/07/2013 00:00:00 130726-48 7823465 TM048	08/08/13	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	PH2 OB 23 SOLID 25/07/2013 00:00:00 130726-48 7823466 TM048	08/08/13	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	PH2 OB 24 SOLID 25/07/2013 00:00:00 130726-48 7823468 TM048	08/08/13	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	PH2 OB 25 SOLID 25/07/2013 00:00:00 130726-48 7823469 TM048	08/08/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	7823461	7823465	7823466	7823468	7823469
Customer Sample Ref.	PH2 OB 21	PH2 OB 22	PH2 OB 23	PH2 OB 24	PH2 OB 25
AGS Ref.					
Depth					
Type	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	08-Aug-2013	08-Aug-2013	08-Aug-2013	08-Aug-2013	08-Aug-2013
EPH CWG (Aliphatic) GC (S)	07-Aug-2013	08-Aug-2013	08-Aug-2013	08-Aug-2013	07-Aug-2013
EPH CWG (Aromatic) GC (S)	07-Aug-2013	08-Aug-2013	08-Aug-2013	08-Aug-2013	07-Aug-2013
GRO by GC-FID (S)	07-Aug-2013	07-Aug-2013	07-Aug-2013	07-Aug-2013	07-Aug-2013
Metals in solid samples by OES	06-Aug-2013	06-Aug-2013	06-Aug-2013	07-Aug-2013	06-Aug-2013
pH	02-Aug-2013	02-Aug-2013	02-Aug-2013	02-Aug-2013	02-Aug-2013
Sample description	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
Semi Volatile Organic Compounds	06-Aug-2013	06-Aug-2013	06-Aug-2013	06-Aug-2013	06-Aug-2013
Total Organic Carbon	07-Aug-2013	07-Aug-2013	07-Aug-2013	07-Aug-2013	07-Aug-2013
TPH CWG GC (S)	07-Aug-2013	08-Aug-2013	08-Aug-2013	08-Aug-2013	07-Aug-2013
VOC MS (S)	09-Aug-2013	09-Aug-2013	09-Aug-2013	09-Aug-2013	09-Aug-2013

SDG:	130726-48	**Location:**	Coed Darcy	**Order Number:**	CD0468
Job:	H_ATKINS_LDC-133	**Customer:**	Atkins Global Ltd	**Report Number:**	236999
Client Reference:		**Attention:**	Adam Putt	**Superseded Report:**	

Appendix
General

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

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

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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Atkins Global Ltd
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Coed Darcy
Llandarcy
SA10 6HJ

Attention: Adam Putt

CERTIFICATE OF ANALYSIS

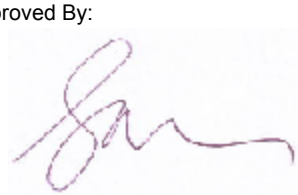
Date:	21 August 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	130808-21
Your Reference:	Phase 2
Location:	Coed Darcy
Report No:	238725

We received 9 samples on Thursday August 08, 2013 and 9 of these samples were scheduled for analysis which was completed on Wednesday August 21, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
7893791	NCA 1		0.30	07/08/2013
7893792	NCA 1		1.00	07/08/2013
7893793	NCA 1		1.95	07/08/2013
7893794	NCA 2		0.25	07/08/2013
7893795	NCA 2		1.00	07/08/2013
7893796	NCA 2		1.70	07/08/2013
7893798	NCA 3		0.40	07/08/2013
7893799	NCA 3		1.00	07/08/2013
7893804	NCA 3		1.60	07/08/2013

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

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			7893791			7893792			7893793			7893794			7893795			7893796			7893798			7893799			7893804		
Customer Sample Reference			NCA 1			NCA 1			NCA 1			NCA 2			NCA 2			NCA 2			NCA 3			NCA 3			NCA 3		
AGS Reference																													
Depth (m)			0.30			1.00			1.95			0.25			1.00			1.70			0.40			1.00			1.60		
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 9		X			X			X			X			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 9	X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 9	X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 9			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 9	X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 9		X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 9	X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 9	X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 9	X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 9	X			X			X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 9			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**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
7893791	NCA 1	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7893792	NCA 1	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7893793	NCA 1	1.95	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7893794	NCA 2	0.25	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7893795	NCA 2	1.00	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7893796	NCA 2	1.70	Light Brown	Sand	0.1 - 2 mm	Stones	None
7893798	NCA 3	0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7893799	NCA 3	1.00	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
7893804	NCA 3	1.60	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2
			Depth (m)	0.30	1.00	1.95	0.25	1.00	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013
			Sample Time	.	.	.	.	.	.
			Date Received	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013
			SDG Ref	130808-21	130808-21	130808-21	130808-21	130808-21	130808-21
			Lab Sample No.(s)	7893791	7893792	7893793	7893794	7893795	7893796
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.76 #	1.15 #	2.28 #	<0.35 #	0.484 #	0.421 #
pH	1 pH Units	TM133		6.89 M	7.2 M	7.17 M	6.94 M	7.3 M	7.16 M
Arsenic	<0.6 mg/kg	TM181		7.76 M	7.99 M	10.4 M	9.12 M	9.85 M	8.91 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		14.2 M	13.4 M	15.8 M	14.1 M	15.1 M	12.4 M
Copper	<1.4 mg/kg	TM181		15.3 M	11.5 M	18.5 M	6.46 M	5.17 M	10.5 M
Lead	<0.7 mg/kg	TM181		20.3 M	17.3 M	18.5 M	14.9 M	9.78 M	13.5 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		36.7 M	30.4 M	39.1 M	36.3 M	33.2 M	34.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.6 #	11.4 #	15.8 #	15.2 #	14.9 #	11.2 #
Zinc	<1.9 mg/kg	TM181		68.7 M	60.7 M	74 M	70.7 M	61.4 M	66.7 M

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R		
			NCA 3	NCA 3	NCA 3
Depth (m)			0.40	1.00	1.60
Sample Type			Soil/Solid	Soil/Solid	Soil/Solid
Date Sampled			07/08/2013	07/08/2013	07/08/2013
Sample Time			.	.	.
Date Received			08/08/2013	08/08/2013	08/08/2013
SDG Ref			130808-21	130808-21	130808-21
Lab Sample No.(s)			7893798	7893799	7893804
AGS Reference					
Soil Organic Matter (SOM)	<0.35 %	TM132	1.57 #	1.05 #	0.417 #
pH	1 pH Units	TM133	7.3 M	7.27 M	7.58 M
Arsenic	<0.6 mg/kg	TM181	8.43 M	12 M	4.48 M
Cadmium	<0.02 mg/kg	TM181	<0.02 M	<0.02 M	0.123 M
Chromium	<0.9 mg/kg	TM181	13.8 M	14.9 M	4.5 M
Copper	<1.4 mg/kg	TM181	10.3 M	6.52 M	1.44 M
Lead	<0.7 mg/kg	TM181	15.5 M	15.3 M	4.17 M
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	0.275 M
Nickel	<0.2 mg/kg	TM181	32.4 M	40 M	4 M
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181	15.5 #	17.5 #	3.67 #
Zinc	<1.9 mg/kg	TM181	52.9 M	60.2 M	42 M

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2
			Depth (m)	0.30	1.00	1.95	0.25	1.00	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013
			Sample Time	.	.	.	.	.	.
			Date Received	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013
			SDG Ref	130808-21	130808-21	130808-21	130808-21	130808-21	130808-21
			Lab Sample No.(s)	7893791	7893792	7893793	7893794	7893795	7893796
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2
			Depth (m)	0.30	1.00	1.95	0.25	1.00	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013
			Sample Time	.	.	.	.	.	.
			Date Received	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013
			SDG Ref	130808-21	130808-21	130808-21	130808-21	130808-21	130808-21
			Lab Sample No.(s)	7893791	7893792	7893793	7893794	7893795	7893796
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 3	NCA 3	NCA 3			
			Depth (m)	0.40	1.00	1.60			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	07/08/2013	07/08/2013	07/08/2013			
			Sample Time	.	.	.			
			Date Received	08/08/2013	08/08/2013	08/08/2013			
			SDG Ref	130808-21	130808-21	130808-21			
			Lab Sample No.(s)	7893798	7893799	7893804			
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100			
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100			
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100			
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100			
Isophorone	<100 µg/kg	TM157		<100	<100	<100			
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100			
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100			
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100			
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100			
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100			
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100			
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100			
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100			
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100			
Carbazole	<100 µg/kg	TM157		<100	<100	<100			
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100			
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100			
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100			
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100			
Azobenzene	<100 µg/kg	TM157		<100	<100	<100			
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100			
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100			
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100			
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100			
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100			
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100			
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100			
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100			
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100			
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100			
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100			
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100			

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 3	NCA 3	NCA 3			
			Depth (m)	0.40	1.00	1.60			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	07/08/2013	07/08/2013	07/08/2013			
			Sample Time	.	.	.			
			Date Received	08/08/2013	08/08/2013	08/08/2013			
			SDG Ref	130808-21	130808-21	130808-21			
			Lab Sample No.(s)	7893798	7893799	7893804			
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100			
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100			
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100			
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100			
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100			
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100			
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100			
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100			
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100			
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100			
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100			
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100			
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100			
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100			
Anthracene	<100 µg/kg	TM157		<100	<100	<100			
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100			
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100			
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100			
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100			
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100			
Chrysene	<100 µg/kg	TM157		<100	<100	<100			
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100			
Fluorene	<100 µg/kg	TM157		<100	<100	<100			
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100			
Phenanthrene	<100 µg/kg	TM157		<100	<100	<100			
Pyrene	<100 µg/kg	TM157		<100	<100	<100			
Naphthalene	<100 µg/kg	TM157		<100	<100	<100			
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100			

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2
			Depth (m)	0.30	1.00	1.95	0.25	1.00	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013
			Sample Time	.	.	.	.	.	.
			Date Received	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013
			SDG Ref	130808-21	130808-21	130808-21	130808-21	130808-21	130808-21
			Lab Sample No.(s)	7893791	7893792	7893793	7893794	7893795	7893796
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		76	83	79	105	113	101
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<44 M	68.3 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	14.6	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	15.7	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		140	1340	154	687	<100	349
Aliphatics >C16-C21	<100 µg/kg	TM173		441	551	484	1940	<100	771
Aliphatics >C21-C35	<100 µg/kg	TM173		2250	<100	2080	5920	<100	1330
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2830	1890	2720	8540	<100	2450
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	13.4	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	11.2	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	1350	<100	378	<100	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	1620	<100	353	<100	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	2410	<100	<100	<100	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	7240	<100	<100	143	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	4590	<100	<100	133	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	12600	<100	<100	<100	<100
Total Aliphatics >C5-35	<100 µg/kg	TM173		2830	1930	2720	8540	<100	2470
Total Aromatics >C5-35	<100 µg/kg	TM173		<100	5410	<100	647	<100	<100
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		2830	7340	2720	9190	<100	2470

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.30	1.00	1.95	0.25	1.00	1.70
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	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013
		SDG Ref	130808-21	130808-21	130808-21	130808-21	130808-21	130808-21
(F)	Trigger breach confirmed	Lab Sample No.(s)	7893791	7893792	7893793	7893794	7893795	7893796
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	2830	14600	2720	8540	<100	2470

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 3	NCA 3	NCA 3			
			Depth (m)	0.40	1.00	1.60			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	07/08/2013	07/08/2013	07/08/2013			
			Sample Time	.	.	.			
			Date Received	08/08/2013	08/08/2013	08/08/2013			
			SDG Ref	130808-21	130808-21	130808-21			
			Lab Sample No.(s)	7893798	7893799	7893804			
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88	110	105			
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		219 M	<44 M	<44 M			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M			
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M			
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M			
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M			
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M			
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M			
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9			
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24			
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10			
Aliphatics >C6-C8	<10 µg/kg	TM089		18.4	<10	<10			
Aliphatics >C8-C10	<10 µg/kg	TM089		46	<10	<10			
Aliphatics >C10-C12	<10 µg/kg	TM089		69	<10	<10			
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	<100	200			
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	234	447			
Aliphatics >C21-C35	<100 µg/kg	TM173		830	7140	622			
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	2250	227			
Total Aliphatics >C12-C44	<100 µg/kg	TM173		830	9620	1500			
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC8-EC10	<10 µg/kg	TM089		33.4	<10	<10			
Aromatics >EC10-EC12	<10 µg/kg	TM089		46	<10	<10			
Aromatics >EC12-EC16	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC16-EC21	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC21-EC35	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC35-EC44	<100 µg/kg	TM173		<100	<100	<100			
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	<100	<100			
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		<100	<100	<100			
Total Aliphatics >C5-35	<100 µg/kg	TM173		968	7370	1270			
Total Aromatics >C5-35	<100 µg/kg	TM173		<100	<100	<100			
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		968	7370	1270			

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA 3	NCA 3	NCA 3			
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	0.40	1.00	1.60			
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
*	Subcontracted test.	Date Sampled	07/08/2013	07/08/2013	07/08/2013			
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.			
		Date Received	08/08/2013	08/08/2013	08/08/2013			
		SDG Ref	130808-21	130808-21	130808-21			
(F)	Trigger breach confirmed	Lab Sample No.(s)	7893798	7893799	7893804			
1-4&+§@	Sample deviation (see appendix)	AGS Reference						
Component	**LOD/Units**	**Method**						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	968	9620	1500			

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2
			Depth (m)	0.30	1.00	1.95	0.25	1.00	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013
			Sample Time	.	.	.	.	.	.
			Date Received	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013
			SDG Ref	130808-21	130808-21	130808-21	130808-21	130808-21	130808-21
			Lab Sample No.(s)	7893791	7893792	7893793	7893794	7893795	7893796
			AGS Reference						
Dibromofluoromethane**	%	TM116		103	104	107	109	105	106
Toluene-d8**	%	TM116		97.5	99	97.7	101	101	99.8
4-Bromofluorobenzene**	%	TM116		128	119	130	101	102	110
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7	<7	<7	<7	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	11.7 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100	<100	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2
			Depth (m)	0.30	1.00	1.95	0.25	1.00	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013
			Sample Time	.	.	.	.	.	.
			Date Received	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013
			SDG Ref	130808-21	130808-21	130808-21	130808-21	130808-21	130808-21
			Lab Sample No.(s)	7893791	7893792	7893793	7893794	7893795	7893796
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		5.71 M	<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
1,2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2
			Depth (m)	0.30	1.00	1.95	0.25	1.00	1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013	07/08/2013
			Sample Time	.	.	.	.	.	.
			Date Received	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013	08/08/2013
			SDG Ref	130808-21	130808-21	130808-21	130808-21	130808-21	130808-21
			Lab Sample No.(s)	7893791	7893792	7893793	7893794	7893795	7893796
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 3	NCA 3	NCA 3			
			Depth (m)	0.40	1.00	1.60			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	07/08/2013	07/08/2013	07/08/2013			
			Sample Time	.	.	.			
			Date Received	08/08/2013	08/08/2013	08/08/2013			
			SDG Ref	130808-21	130808-21	130808-21			
			Lab Sample No.(s)	7893798	7893799	7893804			
			AGS Reference						
Dibromofluoromethane**	%	TM116		125	106	108			
Toluene-d8**	%	TM116		104	101	100			
4-Bromofluorobenzene**	%	TM116		105	108	107			
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M			
Chloromethane	<7 µg/kg	TM116		<7	<7	<7			
Vinyl Chloride	<10 µg/kg	TM116		<10	<10	<10			
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M			
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M			
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M			
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #			
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M			
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #			
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M			
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M			
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M			
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
2,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M			
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M			
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M			
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M			
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M			
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M			
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M			
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M			
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M			
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M			
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M			
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M			
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<100	<100			
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 3	NCA 3	NCA 3			
			Depth (m)	0.40	1.00	1.60			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	07/08/2013	07/08/2013	07/08/2013			
			Sample Time	.	.	.			
			Date Received	08/08/2013	08/08/2013	08/08/2013			
			SDG Ref	130808-21	130808-21	130808-21			
			Lab Sample No.(s)	7893798	7893799	7893804			
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #			
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M			
1,2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M			
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M			
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #			
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #			
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M			
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	<11 M			
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M			
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #			
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M			
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #			
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #			
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M			
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M			
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M			
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M			
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M			
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M			
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15			
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #			
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12			
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M			

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 3	NCA 3	NCA 3			
			Depth (m)	0.40	1.00	1.60			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	07/08/2013	07/08/2013	07/08/2013			
			Sample Time	.	.	.			
			Date Received	08/08/2013	08/08/2013	08/08/2013			
			SDG Ref	130808-21	130808-21	130808-21			
			Lab Sample No.(s)	7893798	7893799	7893804			
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M			

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**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	NCA 1 0.30 SOLID 07/08/2013 00:00:00 130808-21 7893791 TM048	20/08/13	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	NCA 1 1.00 SOLID 07/08/2013 00:00:00 130808-21 7893792 TM048	20/08/13	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	NCA 1 1.95 SOLID 07/08/2013 00:00:00 130808-21 7893793 TM048	20/08/13	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	NCA 2 0.25 SOLID 07/08/2013 00:00:00 130808-21 7893794 TM048	20/08/13	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	NCA 2 1.00 SOLID 07/08/2013 00:00:00 130808-21 7893795 TM048	20/08/13	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**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	NCA 2 1.70 SOLID 07/08/2013 00:00:00 130808-21 7893796 TM048	20/08/13	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	NCA 3 0.40 SOLID 07/08/2013 00:00:00 130808-21 7893798 TM048	20/08/13	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	NCA 3 1.00 SOLID 07/08/2013 00:00:00 130808-21 7893799 TM048	20/08/13	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	NCA 3 1.60 SOLID 07/08/2013 00:00:00 130808-21 7893804 TM048	20/08/13	Paul Fenney	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	7893791	7893792	7893793	7893794	7893795	7893796	7893798	7893799	7893804
Customer Sample Ref.	NCA 1	NCA 1	NCA 1	NCA 2	NCA 2	NCA 2	NCA 3	NCA 3	NCA 3
AGS Ref.									
Depth	0.30	1.00	1.95	0.25	1.00	1.70	0.40	1.00	1.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	21-Aug-2013	21-Aug-2013	21-Aug-2013	21-Aug-2013	21-Aug-2013	21-Aug-2013	21-Aug-2013	21-Aug-2013	21-Aug-2013
EPH CWG (Aliphatic) GC (S)	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	14-Aug-2013	14-Aug-2013
EPH CWG (Aromatic) GC (S)	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	14-Aug-2013	14-Aug-2013
GRO by GC-FID (S)	19-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	19-Aug-2013	16-Aug-2013
Metals in solid samples by OES	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	15-Aug-2013
pH	12-Aug-2013	12-Aug-2013	12-Aug-2013	12-Aug-2013	09-Aug-2013	12-Aug-2013	12-Aug-2013	12-Aug-2013	12-Aug-2013
Sample description	09-Aug-2013	09-Aug-2013	09-Aug-2013	09-Aug-2013	09-Aug-2013	09-Aug-2013	09-Aug-2013	08-Aug-2013	08-Aug-2013
Semi Volatile Organic Compounds	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013
Total Organic Carbon	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013
TPH CWG GC (S)	19-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	19-Aug-2013	16-Aug-2013
VOC MS (S)	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013	16-Aug-2013

SDG:	130808-21	**Location:**	Coed Darcy	**Order Number:**	CD0474
Job:	H_ATKINS_LDC-173	**Customer:**	Atkins Global Ltd	**Report Number:**	238725
Client Reference:	Phase 2	**Attention:**	Adam Putt	**Superseded Report:**	

Appendix
General

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

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

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 2 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

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

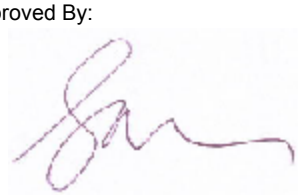
Date:	25 October 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	131011-97
Your Reference:	NCA
Location:	Coed Darcy
Report No:	247354

We received 37 samples on Friday October 11, 2013 and 37 of these samples were scheduled for analysis which was completed on Friday October 25, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8254010	NCA4		0.30	09/10/2013
8254011	NCA4		1.00	09/10/2013
8254012	NCA4		2.00	09/10/2013
8254013	NCA4		3.00	09/10/2013
8254014	NCA4		4.00	09/10/2013
8254017	NCA4		5.00	09/10/2013
8254018	NCA5		0.20	09/10/2013
8254019	NCA5		1.20	09/10/2013
8254021	NCA5		2.00	09/10/2013
8254023	NCA5		3.30	09/10/2013
8254024	NCA5		4.00	09/10/2013
8254028	NCA5		5.00	09/10/2013
8254031	NCA6		0.40	09/10/2013
8254033	NCA6		1.30	09/10/2013
8254034	NCA6		2.30	09/10/2013
8254035	NCA6		3.10	09/10/2013
8254036	NCA6		4.10	09/10/2013
8254037	NCA6		5.10	09/10/2013
8254039	NCA7		0.40	09/10/2013
8254042	NCA10		0.50	09/10/2013
8254043	NCA10		1.00	09/10/2013
8254044	NCA10		2.40	09/10/2013
8254046	NCA10		3.20	09/10/2013
8254047	NCA10		4.00	09/10/2013
8254048	NCA10		5.10	09/10/2013
8254049	NCA11		0.50	09/10/2013
8254050	NCA11		0.80	09/10/2013
8254051	NCA11		2.20	09/10/2013
8254052	NCA11		3.00	09/10/2013
8254054	NCA11		4.10	09/10/2013
8254056	NCA11		5.00	09/10/2013
8254058	NCA12		0.30	09/10/2013
8254059	NCA12		1.00	09/10/2013
8254060	NCA12		2.10	09/10/2013
8254061	NCA12		3.10	09/10/2013
8254062	NCA12		4.20	09/10/2013
8254066	NCA12		5.20	09/10/2013

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

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
			8254010	NCA4		0.30	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254011	NCA4		1.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254012	NCA4		2.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254013	NCA4		3.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254014	NCA4		4.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254017	NCA4		5.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254018	NCA5		0.20	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254019	NCA5		1.20	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254021	NCA5		2.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254023	NCA5		3.30	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254024	NCA5		4.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254028	NCA5		5.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254031	NCA6		0.40	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8254033	NCA6		1.30	250g Amber Jar (AL
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 37					
Asbestos Quantification - Full	All	NDPs: 0 Tests: 5					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 37					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 37					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 37					
Metals in solid samples by OES	All	NDPs: 0 Tests: 37					
pH	All	NDPs: 0 Tests: 37					
Sample description	All	NDPs: 0 Tests: 37					
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 37					
Total Organic Carbon	All	NDPs: 0 Tests: 37					
TPH CWG GC (S)	All	NDPs: 0 Tests: 37					
VOC MS (S)	All	NDPs: 0 Tests: 37					

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			8254033		8254034			8254035			8254036			8254037			8254039			8254042			8254043			8254044			8254046			8254047			8254048			8254049			8254050	
Customer Sample Reference			NCA6		NCA6			NCA6			NCA6			NCA6			NCA7			NCA10			NCA10			NCA10			NCA10			NCA10			NCA10			NCA11			NCA11	
AGS Reference																																										
Depth (m)			1.30		2.30			3.10			4.10			5.10			0.40			0.50			1.00			2.40			3.20			4.00			5.10			0.50			0.80	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 37	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 5																			X																		X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 37	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X			X			X			X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X			X			X			X	
VOC MS (S)	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X			X			X			X		

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X — Test
- N — No Determination Possible

	Lab Sample No(s)		8254050	8254051			8254052			8254054			8254056			8254058			8254059			8254060			8254061			8254062			8254066		
	Customer Sample Reference		NCA11	NCA11			NCA11			NCA11			NCA11			NCA12			NCA12			NCA12			NCA12			NCA12			NCA12		
	AGS Reference																																
	Depth (m)		0.80	2.20			3.00			4.10			5.00			0.30			1.00			2.10			3.10			4.20			5.20		
	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)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 5															X																
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 37	X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 37			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 37		X			X			X			X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 37	X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
8254010	NCA4	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8254011	NCA4	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8254012	NCA4	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8254013	NCA4	3.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8254014	NCA4	4.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8254017	NCA4	5.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8254018	NCA5	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254019	NCA5	1.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254021	NCA5	2.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254023	NCA5	3.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Concrete/Aggregate
8254024	NCA5	4.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8254028	NCA5	5.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8254031	NCA6	0.40	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254033	NCA6	1.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254034	NCA6	2.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254035	NCA6	3.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254036	NCA6	4.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254037	NCA6	5.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
8254039	NCA7	0.40	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254042	NCA10	0.50	Dark Brown	Gravel	> 10 mm	Stones	N/A
8254043	NCA10	1.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8254044	NCA10	2.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
8254046	NCA10	3.20	Grey	Sandy Clay	0.1 - 2 mm	Stones	None
8254047	NCA10	4.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
8254048	NCA10	5.10	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
8254049	NCA11	0.50	Dark Brown	Ballast	> 10 mm	Stones	N/A
8254050	NCA11	0.80	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
8254051	NCA11	2.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8254052	NCA11	3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8254054	NCA11	4.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
8254056	NCA11	5.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
8254058	NCA12	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8254059	NCA12	1.00	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8254060	NCA12	2.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8254061	NCA12	3.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8254062	NCA12	4.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Crushed Brick	Stones
8254066	NCA12	5.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4
			Depth (m)	0.30	1.00	2.00	3.00	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254010	8254011	8254012	8254013	8254014	8254017
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		2.1 #	2.74 #	3.15 #	3.26 #	2.62 #	3.57 #
pH	1 pH Units	TM133		8.64 M	8.2 M	8.14 M	8.04 M	8.32 M	8.09 M
Arsenic	<0.6 mg/kg	TM181		12 M	20.5 M	22.4 M	20.5 M	15.2 M	12.4 M
Cadmium	<0.02 mg/kg	TM181		0.165 M	0.276 M	0.25 M	0.257 M	0.16 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		13.2 M	16.1 M	15.3 M	16.3 M	17.3 M	19.7 M
Copper	<1.4 mg/kg	TM181		32.9 M	54.9 M	62.9 M	66.4 M	38.2 M	32.2 M
Lead	<0.7 mg/kg	TM181		80.1 M	102 M	162 M	107 M	43.8 M	34.9 M
Mercury	<0.14 mg/kg	TM181		0.495 M	2.18 M	1.4 M	0.963 M	0.431 M	0.246 M
Nickel	<0.2 mg/kg	TM181		27.3 M	30.5 M	26.9 M	25.4 M	31.9 M	38.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.9 #	20 #	21.5 #	21.9 #	17.9 #	19.5 #
Zinc	<1.9 mg/kg	TM181		237 M	232 M	407 M	231 M	114 M	110 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA5	NCA5	NCA5	NCA5	NCA5	NCA5
			Depth (m)	0.20	1.20	2.00	3.30	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254018	8254019	8254021	8254023	8254024	8254028
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.12 #	1.67 #	3.65 #	3.9 #	4.05 #	5.83 #
pH	1 pH Units	TM133		8.03 M	8.17 M	8.11 M	8.04 M	8.14 M	8.1 M
Arsenic	<0.6 mg/kg	TM181		6.51 M	20.7 M	23.2 M	16.6 M	18.4 M	17.1 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.453 M	0.442 M	0.207 M	0.174 M	0.147 M
Chromium	<0.9 mg/kg	TM181		16.8 M	16.1 M	19.7 M	16.8 M	16 M	15.2 M
Copper	<1.4 mg/kg	TM181		13.6 M	55.5 M	66.2 M	40.5 M	48.1 M	46.5 M
Lead	<0.7 mg/kg	TM181		17.2 M	67.1 M	165 M	80.3 M	57.5 M	60.5 M
Mercury	<0.14 mg/kg	TM181		0.143 M	0.531 M	0.786 M	0.621 M	0.442 M	0.878 M
Nickel	<0.2 mg/kg	TM181		40 M	23.2 M	26.7 M	24.7 M	31.3 M	28.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.6 #	16.9 #	24.9 #	23.1 #	20 #	18.1 #
Zinc	<1.9 mg/kg	TM181		83.5 M	140 M	289 M	183 M	175 M	223 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6
			Depth (m)	0.40	1.30	2.30	3.10	4.10	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254031	8254033	8254034	8254035	8254036	8254037
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.02 #	1.67 #	11.8 #	4.28 #	4.4 #	4.24 #
pH	1 pH Units	TM133		7.82 M	8.25 M	7.98 M	8.16 M	8.1 M	8.13 M
Arsenic	<0.6 mg/kg	TM181		6.66 M	16 M	23.7 M	28.5 M	22.1 M	20 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.204 M	0.343 M	0.403 M	0.303 M	0.368 M
Chromium	<0.9 mg/kg	TM181		15.8 M	10.4 M	17.9 M	17.1 M	17 M	16.2 M
Copper	<1.4 mg/kg	TM181		13.3 M	39.3 M	75.5 M	67.5 M	55.4 M	58.6 M
Lead	<0.7 mg/kg	TM181		23.8 M	31.5 M	199 M	116 M	239 M	89.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.377 M	0.882 M	0.803 M	0.613 M	0.749 M
Nickel	<0.2 mg/kg	TM181		39.6 M	16.5 M	31 M	27.9 M	28.9 M	26.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.4 #	11.7 #	23.2 #	21.8 #	21.8 #	18.8 #
Zinc	<1.9 mg/kg	TM181		88.1 M	103 M	328 M	230 M	273 M	194 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA10	NCA10	NCA10	NCA10	NCA10
			Depth (m)	0.40	0.50	1.00	2.40	3.20	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254039	8254042	8254043	8254044	8254046	8254047
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		2.65 #	2.34 #	2.33 #	3.09 #	2.9 #	3.4 #
pH	1 pH Units	TM133		7.28 M	8.1 #	8.37 M	8.3 M	7.83 M	7.33 M
Arsenic	<0.6 mg/kg	TM181		8.82 M	9.04 #	11 M	18.6 M	7.22 M	9.18 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.181 #	0.0933 M	0.371 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		30.2 M	16.1 #	12.5 M	16.3 M	14.1 M	20.6 M
Copper	<1.4 mg/kg	TM181		13 M	12.4 #	22.1 M	42.8 M	19.4 M	25.7 M
Lead	<0.7 mg/kg	TM181		17.4 M	17.3 #	43.8 M	55.3 M	14.8 M	20.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 #	2.39 M	1.56 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		49.3 M	46 #	25 M	27.5 M	30.2 M	42.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.8 #	15.4 #	15.2 #	18 #	14.2 #	18.4 #
Zinc	<1.9 mg/kg	TM181		79.7 M	84 #	145 M	134 M	63.8 M	80.6 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
			Depth (m)	5.10	0.50	0.80	2.20	3.00	4.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254048	8254049	8254050	8254051	8254052	8254054
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.64 #	2.72 #	2.07 #	2.47 #	3.71 #	3.47 #
pH	1 pH Units	TM133		7.75 M	7.74 #	8.74 M	8.2 M	8.09 M	8.04 M
Arsenic	<0.6 mg/kg	TM181		9.24 M	7.28 #	15.8 M	20 M	20.1 M	18.7 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.169 #	0.109 M	0.169 M	0.309 M	0.168 M
Chromium	<0.9 mg/kg	TM181		14.4 M	16.7 #	15.4 M	14.1 M	16.7 M	15.4 M
Copper	<1.4 mg/kg	TM181		24.2 M	13.1 #	28.3 M	83.2 M	64.2 M	44.4 M
Lead	<0.7 mg/kg	TM181		15.2 M	18.7 #	49.5 M	43.9 M	88.8 M	70.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 #	1.23 M	0.555 M	1.27 M	0.61 M
Nickel	<0.2 mg/kg	TM181		30.6 M	43.2 #	24.2 M	24.1 M	31 M	26.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.5 #	15.8 #	14.6 #	16.9 #	21.3 #	18.9 #
Zinc	<1.9 mg/kg	TM181		70.8 M	80.1 #	128 M	152 M	209 M	140 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12
			Depth (m)	5.00	0.30	1.00	2.10	3.10	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254056	8254058	8254059	8254060	8254061	8254062
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.4 #	2.16 #	3.15 #	3.67 #	4.28 #	3.91 #
pH	1 pH Units	TM133		8.15 M	8.32 M	8.34 M	7.93 M	8.08 M	8.08 M
Arsenic	<0.6 mg/kg	TM181		18.7 M	18 M	21.4 M	28.1 M	20.2 M	21.4 M
Cadmium	<0.02 mg/kg	TM181		0.34 M	0.41 M	0.392 M	0.245 M	0.163 M	0.708 M
Chromium	<0.9 mg/kg	TM181		15.5 M	12.1 M	30 M	14.6 M	15.2 M	17.4 M
Copper	<1.4 mg/kg	TM181		46.6 M	33.1 M	589 M	65 M	52.5 M	73.1 M
Lead	<0.7 mg/kg	TM181		52.9 M	142 M	76.3 M	66 M	120 M	112 M
Mercury	<0.14 mg/kg	TM181		0.715 M	0.559 M	0.631 M	0.795 M	0.782 M	0.591 M
Nickel	<0.2 mg/kg	TM181		28.4 M	20.9 M	32.9 M	24.8 M	29.3 M	31.3 M
Selenium	<1 mg/kg	TM181		1.13 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.5 #	14.1 #	17.3 #	16.6 #	25.1 #	24.2 #
Zinc	<1.9 mg/kg	TM181		131 M	244 M	519 M	138 M	241 M	333 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	**LOD/Units**	**Method**	**Customer Sample R**
			Depth (m)
			Sample Type
			Date Sampled
			Sample Time
			Date Received
			SDG Ref
			Lab Sample No.(s)
			AGS Reference
Soil Organic Matter (SOM)	<0.35 %	TM132	NCA12 5.20 Soil/Solid 09/10/2013 . 11/10/2013 131011-97 8254066 2.97 #
pH	1 pH Units	TM133	8.12 M
Arsenic	<0.6 mg/kg	TM181	25.9 M
Cadmium	<0.02 mg/kg	TM181	7.5 M
Chromium	<0.9 mg/kg	TM181	17.3 M
Copper	<1.4 mg/kg	TM181	54.2 M
Lead	<0.7 mg/kg	TM181	193 M
Mercury	<0.14 mg/kg	TM181	2.51 M
Nickel	<0.2 mg/kg	TM181	28.3 M
Selenium	<1 mg/kg	TM181	<1 #
Vanadium	<0.2 mg/kg	TM181	20.4 #
Zinc	<1.9 mg/kg	TM181	417 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4
			Depth (m)	0.30	1.00	2.00	3.00	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254010	8254011	8254012	8254013	8254014	8254017
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		123	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4
			Depth (m)	0.30	1.00	2.00	3.00	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254010	8254011	8254012	8254013	8254014	8254017
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		222	184	182	<100	<100	179
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		146	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		267	115	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		1230	398	338	199	159	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		1220	383	339	196	183	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		964	342	291	211	146	<100
Benzo(a)pyrene	<100 µg/kg	TM157		1310	437	393	244	182	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		716	269	244	161	125	<100
Chrysene	<100 µg/kg	TM157		1450	514	529	301	224	130
Fluoranthene	<100 µg/kg	TM157		1700	670	465	293	248	<100
Fluorene	<100 µg/kg	TM157		232	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		667	229	219	130	<100	<100
Phenanthrene	<100 µg/kg	TM157		745	500	367	181	165	180
Pyrene	<100 µg/kg	TM157		1480	636	495	306	250	<100
Naphthalene	<100 µg/kg	TM157		139	129	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		216	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA5	NCA5	NCA5	NCA5	NCA5	NCA5
			Depth (m)	0.20	1.20	2.00	3.30	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254018	8254019	8254021	8254023	8254024	8254028
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA5	NCA5	NCA5	NCA5	NCA5	NCA5
			Depth (m)	0.20	1.20	2.00	3.30	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254018	8254019	8254021	8254023	8254024	8254028
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		127	<100	448	284	143	191
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	117	117	<100	132
Benzo(a)anthracene	<100 µg/kg	TM157		<100	505	597	726	166	404
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	543	609	755	211	405
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	416	462	611	157	331
Benzo(a)pyrene	<100 µg/kg	TM157		<100	544	598	758	200	426
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	314	356	508	138	273
Chrysene	<100 µg/kg	TM157		123	628	758	905	257	550
Fluoranthene	<100 µg/kg	TM157		<100	671	875	977	243	757
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	302	333	455	119	239
Phenanthrene	<100 µg/kg	TM157		263	365	600	605	193	610
Pyrene	<100 µg/kg	TM157		<100	589	720	906	251	729
Naphthalene	<100 µg/kg	TM157		<100	<100	214	178	<100	128
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	157	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6
			Depth (m)	0.40	1.30	2.30	3.10	4.10	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254031	8254033	8254034	8254035	8254036	8254037
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6
			Depth (m)	0.40	1.30	2.30	3.10	4.10	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254031	8254033	8254034	8254035	8254036	8254037
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		145	220	258	168	181	127
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	173	<100	151	<100
Anthracene	<100 µg/kg	TM157		<100	188	177	<100	171	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	823	685	416	750	231
Benzo(b)fluoranthene	<100 µg/kg	TM157		144	853	719	483	627	261
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	684	534	382	615	231
Benzo(a)pyrene	<100 µg/kg	TM157		154	916	727	497	762	300
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	563	503	358	524	202
Chrysene	<100 µg/kg	TM157		181	1000	922	601	929	335
Fluoranthene	<100 µg/kg	TM157		154	1190	990	680	1130	355
Fluorene	<100 µg/kg	TM157		<100	125	133	<100	130	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	501	422	316	456	173
Phenanthrene	<100 µg/kg	TM157		250	744	837	466	858	282
Pyrene	<100 µg/kg	TM157		162	1060	944	655	1010	353
Naphthalene	<100 µg/kg	TM157		<100	141	186	<100	123	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	182	146	<100	154	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA10	NCA10	NCA10	NCA10	NCA10
			Depth (m)	0.40	0.50	1.00	2.40	3.20	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254039	8254042	8254043	8254044	8254046	8254047
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	127	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA10	NCA10	NCA10	NCA10	NCA10
			Depth (m)	0.40	0.50	1.00	2.40	3.20	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254039	8254042	8254043	8254044	8254046	8254047
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		164	159	274	183	<100	154
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	114	191	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	157	199	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	660	719	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	707	681	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	543	638	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	736	859	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	508	538	<100	<100
Chrysene	<100 µg/kg	TM157		173	<100	895	1020	<100	<100
Fluoranthene	<100 µg/kg	TM157		110	<100	892	1160	<100	<100
Fluorene	<100 µg/kg	TM157		<100	<100	156	165	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	450	489	<100	<100
Phenanthrene	<100 µg/kg	TM157		345	137	547	1040	125	<100
Pyrene	<100 µg/kg	TM157		109	<100	946	1060	<100	<100
Naphthalene	<100 µg/kg	TM157		141	<100	160	154	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	123	128	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
			Depth (m)	5.10	0.50	0.80	2.20	3.00	4.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254048	8254049	8254050	8254051	8254052	8254054
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	174	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	334	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
			Depth (m)	5.10	0.50	0.80	2.20	3.00	4.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254048	8254049	8254050	8254051	8254052	8254054
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	163	367	<100	130	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	286	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	597	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	1840	164	605	146
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	1680	172	480	152
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	1470	171	489	129
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	1960	211	608	166
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	1210	140	376	<100
Chrysene	<100 µg/kg	TM157		<100	116	2130	334	782	208
Fluoranthene	<100 µg/kg	TM157		<100	<100	3130	267	866	231
Fluorene	<100 µg/kg	TM157		<100	<100	286	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	1070	<100	343	<100
Phenanthrene	<100 µg/kg	TM157		113	249	2310	307	431	150
Pyrene	<100 µg/kg	TM157		<100	<100	2380	290	826	217
Naphthalene	<100 µg/kg	TM157		<100	125	405	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	372	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12
			Depth (m)	5.00	0.30	1.00	2.10	3.10	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254056	8254058	8254059	8254060	8254061	8254062
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	137	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12
			Depth (m)	5.00	0.30	1.00	2.10	3.10	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254056	8254058	8254059	8254060	8254061	8254062
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		117	282	264	<100	222	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	115	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	213	<100	<100	119	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	958	803	409	613	191
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	1090	826	480	723	179
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	857	762	402	544	147
Benzo(a)pyrene	<100 µg/kg	TM157		138	1100	1030	511	723	193
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	736	640	384	516	116
Chrysene	<100 µg/kg	TM157		177	1250	1040	573	838	258
Fluoranthene	<100 µg/kg	TM157		178	1440	1010	514	896	311
Fluorene	<100 µg/kg	TM157		<100	215	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	672	591	313	429	<100
Phenanthrene	<100 µg/kg	TM157		206	572	418	300	543	293
Pyrene	<100 µg/kg	TM157		174	1240	1020	443	792	286
Naphthalene	<100 µg/kg	TM157		<100	190	149	<100	129	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	192	164	<100	147	<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA12
			Depth (m)	5.20
			Sample Type	Soil/Solid
			Date Sampled	09/10/2013
			Sample Time	.
			Date Received	11/10/2013
			SDG Ref	131011-97
			Lab Sample No.(s)	8254066
			AGS Reference	
Phenol	<100 µg/kg	TM157		<100
Pentachlorophenol	<100 µg/kg	TM157		<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100
Nitrobenzene	<100 µg/kg	TM157		<100
Isophorone	<100 µg/kg	TM157		<100
Hexachloroethane	<100 µg/kg	TM157		<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100
Hexachlorobenzene	<100 µg/kg	TM157		<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100
Dimethyl phthalate	<100 µg/kg	TM157		<100
Diethyl phthalate	<100 µg/kg	TM157		<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100
Dibenzofuran	<100 µg/kg	TM157		<100
Carbazole	<100 µg/kg	TM157		<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100
Azobenzene	<100 µg/kg	TM157		<100
4-Nitrophenol	<100 µg/kg	TM157		<100
4-Nitroaniline	<100 µg/kg	TM157		<100
4-Methylphenol	<100 µg/kg	TM157		<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100
4-Chloroaniline	<100 µg/kg	TM157		<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100
3-Nitroaniline	<100 µg/kg	TM157		<100
2-Nitrophenol	<100 µg/kg	TM157		<100
2-Nitroaniline	<100 µg/kg	TM157		<100
2-Methylphenol	<100 µg/kg	TM157		<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Customer Sample R			NCA12					
Depth (m)			5.20					
Sample Type			Soil/Solid					
Date Sampled			09/10/2013					
Sample Time			.					
Date Received			11/10/2013					
SDG Ref			131011-97					
Lab Sample No.(s)			8254066					
AGS Reference								
Component	**LOD/Units**	**Method**						
2-Chlorophenol	<100 µg/kg	TM157	<100					
2,6-Dinitrotoluene	<100 µg/kg	TM157	<100					
2,4-Dinitrotoluene	<100 µg/kg	TM157	<100					
2,4-Dimethylphenol	<100 µg/kg	TM157	<100					
2,4-Dichlorophenol	<100 µg/kg	TM157	<100					
2,4,6-Trichlorophenol	<100 µg/kg	TM157	<100					
2,4,5-Trichlorophenol	<100 µg/kg	TM157	<100					
1,4-Dichlorobenzene	<100 µg/kg	TM157	<100					
1,3-Dichlorobenzene	<100 µg/kg	TM157	<100					
1,2-Dichlorobenzene	<100 µg/kg	TM157	<100					
2-Chloronaphthalene	<100 µg/kg	TM157	<100					
2-Methylnaphthalene	<100 µg/kg	TM157	134					
Acenaphthylene	<100 µg/kg	TM157	<100					
Acenaphthene	<100 µg/kg	TM157	<100					
Anthracene	<100 µg/kg	TM157	<100					
Benzo(a)anthracene	<100 µg/kg	TM157	392					
Benzo(b)fluoranthene	<100 µg/kg	TM157	342					
Benzo(k)fluoranthene	<100 µg/kg	TM157	337					
Benzo(a)pyrene	<100 µg/kg	TM157	431					
Benzo(g,h,i)perylene	<100 µg/kg	TM157	261					
Chrysene	<100 µg/kg	TM157	534					
Fluoranthene	<100 µg/kg	TM157	675					
Fluorene	<100 µg/kg	TM157	<100					
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157	225					
Phenanthrene	<100 µg/kg	TM157	454					
Pyrene	<100 µg/kg	TM157	650					
Naphthalene	<100 µg/kg	TM157	<100					
Dibenzo(a,h)anthracene	<100 µg/kg	TM157	<100					

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4
			Depth (m)	0.30	1.00	2.00	3.00	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254010	8254011	8254012	8254013	8254014	8254017
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		39	46	63	65	5	4
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3620 M	1270 M	3470 M	3350 M	192 M	264 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		8.88 M	37.4 M	17.1 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		3.33 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		25.5 M	12.1 M	<3 M	<3 M	<3 M	3.6 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		25.5	12.1	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		37.7	49.5	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		11.1	14.3	18.2	18.1	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		44.4	48.4	255	310	22.4	31.2
Aliphatics >C8-C10	<10 µg/kg	TM089		597	197	842	807	33	42
Aliphatics >C10-C12	<10 µg/kg	TM089		1520	491	1060	1010	66.1	91.2
Aliphatics >C12-C16	<100 µg/kg	TM173		317000	36600	73200	46300	42900	35200
Aliphatics >C16-C21	<100 µg/kg	TM173		230000	47500	81700	59300	57800	38000
Aliphatics >C21-C35	<100 µg/kg	TM173		405000	148000	152000	152000	142000	82500
Aliphatics >C35-C44	<100 µg/kg	TM173		189000	57800	48900	64600	56400	36700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1140000	290000	356000	322000	299000	192000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	37.4	17.1	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		433	149	562	538	22.4	33.6
Aromatics >EC10-EC12	<10 µg/kg	TM089		1010	327	707	670	43.7	60
Aromatics >EC12-EC16	<100 µg/kg	TM173		605	9770	20500	11000	6500	9930
Aromatics >EC16-EC21	<100 µg/kg	TM173		939	30000	45300	38100	26300	20100
Aromatics >EC21-EC35	<100 µg/kg	TM173		3410	128000	131000	194000	107000	61300
Aromatics >EC35-EC44	<100 µg/kg	TM173		575	58800	51400	107000	49900	33900
Aromatics >EC40-EC44	<100 µg/kg	TM173		157	22000	19600	43000	20000	14500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		5530	226000	248000	350000	190000	125000
Total Aliphatics >C5-35	<100 µg/kg	TM173		954000	232000	309000	259000	243000	156000
Total Aromatics >C5-35	<100 µg/kg	TM173		6410	168000	198000	245000	140000	91400
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		960000	401000	507000	504000	383000	247000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.30	1.00	2.00	3.00	4.00	5.00
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	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
		SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
(F)	Trigger breach confirmed	Lab Sample No.(s)	8254010	8254011	8254012	8254013	8254014	8254017
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1150000	517000	608000	676000	489000	318000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA5	NCA5	NCA5	NCA5	NCA5	NCA5
			Depth (m)	0.20	1.20	2.00	3.30	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254018	8254019	8254021	8254023	8254024	8254028
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		48	81	62	49	75	56
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		133 M	420 M	3340 M	3100 M	2530 M	5110 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		5.38 M	5.65 M	<2 M	<2 M	5.8 M	64.4 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		8.61 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	64.4
Aliphatics >C5-C6	<10 µg/kg	TM089		14	<10	11.4	12.4	15.1	19.6
Aliphatics >C6-C8	<10 µg/kg	TM089		42	11.3	228	136	161	230
Aliphatics >C8-C10	<10 µg/kg	TM089		16.1	49.7	838	647	510	1260
Aliphatics >C10-C12	<10 µg/kg	TM089		18.3	188	1020	1120	897	1610
Aliphatics >C12-C16	<100 µg/kg	TM173		6940	32700	50000	66900	28500	123000
Aliphatics >C16-C21	<100 µg/kg	TM173		25800	34100	73700	92900	39900	129000
Aliphatics >C21-C35	<100 µg/kg	TM173		60200	105000	200000	239000	91300	648000
Aliphatics >C35-C44	<100 µg/kg	TM173		15700	54800	72900	71300	30400	129000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		109000	227000	397000	470000	190000	1030000
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	64.4
Aromatics >EC8-EC10	<10 µg/kg	TM089		22.6	37.3	559	432	340	842
Aromatics >EC10-EC12	<10 µg/kg	TM089		11.8	124	681	747	599	1080
Aromatics >EC12-EC16	<100 µg/kg	TM173		2480	6300	8000	13200	4940	23300
Aromatics >EC16-EC21	<100 µg/kg	TM173		9450	16900	33900	52300	19300	54100
Aromatics >EC21-EC35	<100 µg/kg	TM173		48800	73700	147000	197000	79500	130000
Aromatics >EC35-EC44	<100 µg/kg	TM173		17500	40000	70200	89400	33800	54900
Aromatics >EC40-EC44	<100 µg/kg	TM173		6610	16600	28800	35800	13200	21000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		78200	137000	259000	352000	137000	263000
Total Aliphatics >C5-35	<100 µg/kg	TM173		93100	172000	326000	400000	161000	903000
Total Aromatics >C5-35	<100 µg/kg	TM173		60800	97100	190000	264000	105000	210000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		154000	269000	516000	664000	266000	1110000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA5	NCA5	NCA5	NCA5	NCA5	NCA5
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.20	1.20	2.00	3.30	4.00	5.00
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	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
		SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
(F)	Trigger breach confirmed	Lab Sample No.(s)	8254018	8254019	8254021	8254023	8254024	8254028
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	187000	364000	659000	825000	330000	1300000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6
			Depth (m)	0.40	1.30	2.30	3.10	4.10	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254031	8254033	8254034	8254035	8254036	8254037
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		25	72	53	67	71	53
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1140 M	3790 M	1920 M	3860 M	4080 M	1910 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		9.79 M	13.2 M	13.4 M	5.65 M	<2 M	90.4 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		7.62 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		8.7 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		16.3	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		26.1	<24	<24	<24	<24	90.4
Aliphatics >C5-C6	<10 µg/kg	TM089		20.7	<10	20.2	24.9	30.5	13.6
Aliphatics >C6-C8	<10 µg/kg	TM089		81.6	52.7	60.5	236	434	57.6
Aliphatics >C8-C10	<10 µg/kg	TM089		200	797	329	906	957	348
Aliphatics >C10-C12	<10 µg/kg	TM089		408	1430	763	1250	1210	699
Aliphatics >C12-C16	<100 µg/kg	TM173		7250	121000	47900	50300	43900	42700
Aliphatics >C16-C21	<100 µg/kg	TM173		15700	126000	64000	65900	60400	49700
Aliphatics >C21-C35	<100 µg/kg	TM173		32900	200000	137000	164000	148000	129000
Aliphatics >C35-C44	<100 µg/kg	TM173		10800	81800	52200	67500	58600	45200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		66700	529000	302000	348000	311000	267000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	13.2	13.4	<10	<10	90.4
Aromatics >EC8-EC10	<10 µg/kg	TM089		151	531	222	605	637	234
Aromatics >EC10-EC12	<10 µg/kg	TM089		272	953	508	832	808	466
Aromatics >EC12-EC16	<100 µg/kg	TM173		2530	23600	9910	8370	6820	12600
Aromatics >EC16-EC21	<100 µg/kg	TM173		6470	51800	32300	30800	35800	31700
Aromatics >EC21-EC35	<100 µg/kg	TM173		24500	108000	131000	123000	150000	93800
Aromatics >EC35-EC44	<100 µg/kg	TM173		8760	43000	63100	63200	80800	39000
Aromatics >EC40-EC44	<100 µg/kg	TM173		3500	16400	25700	26200	33300	14700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		42200	227000	236000	225000	273000	177000
Total Aliphatics >C5-35	<100 µg/kg	TM173		56600	450000	251000	283000	255000	223000
Total Aromatics >C5-35	<100 µg/kg	TM173		33900	185000	174000	163000	194000	139000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		90500	635000	425000	446000	449000	361000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.40	1.30	2.30	3.10	4.10	5.10
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
		SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
(F)	Trigger breach confirmed	Lab Sample No.(s)	8254031	8254033	8254034	8254035	8254036	8254037
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	110000	760000	540000	577000	589000	446000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA10	NCA10	NCA10	NCA10	NCA10
			Depth (m)	0.40	0.50	1.00	2.40	3.20	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254039	8254042	8254043	8254044	8254046	8254047
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		30	25	56	51	9	6
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		293 M	215 #	18800 M	1880 M	169 M	<44 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	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		8.6 M	8.6 #	28.3 M	14.3 M	4.44 M	3.63 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 #	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		9.68 M	9.68 #	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		4.3 M	<3 #	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		14	9.68	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	28.3	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		23.7	16.1	10.9	30.8	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		78.5	60.2	82.7	118	14.4	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		44.1	31.2	5150	351	36.6	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		54.8	37.6	6070	675	51.1	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		15500	10600	228000	19200	939	529
Aliphatics >C16-C21	<100 µg/kg	TM173		45400	21300	294000	34100	653	1010
Aliphatics >C21-C35	<100 µg/kg	TM173		99400	39700	1160000	143000	645	1620
Aliphatics >C35-C44	<100 µg/kg	TM173		33600	11000	447000	194000	519	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		194000	82500	2130000	390000	2760	3160
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	28.3	14.3	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		45.2	34.4	3440	237	25.5	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		36.6	25.8	4050	449	34.4	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		2250	4640	45700	6800	881	2360
Aromatics >EC16-EC21	<100 µg/kg	TM173		13300	9910	135000	23100	633	3350
Aromatics >EC21-EC35	<100 µg/kg	TM173		63900	37800	256000	165000	1410	9160
Aromatics >EC35-EC44	<100 µg/kg	TM173		23500	14100	90600	241000	<100	4600
Aromatics >EC40-EC44	<100 µg/kg	TM173		9040	5100	35200	125000	<100	2000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		103000	66500	527000	436000	2630	19500
Total Aliphatics >C5-35	<100 µg/kg	TM173		161000	71700	1690000	197000	2340	3160
Total Aromatics >C5-35	<100 µg/kg	TM173		79500	52500	444000	196000	2980	14900
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		240000	124000	2140000	393000	5320	18000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA7	NCA10	NCA10	NCA10	NCA10	NCA10
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	0.40	0.50	1.00	2.40	3.20	4.00
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
*	Subcontracted test.	Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.	.	.	.
		Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
		SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
(F)	Trigger breach confirmed	Lab Sample No.(s)	8254039	8254042	8254043	8254044	8254046	8254047
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	297000	149000	2670000	828000	5550	22600

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
			Depth (m)	5.10	0.50	0.80	2.20	3.00	4.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254048	8254049	8254050	8254051	8254052	8254054
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		7	50	75	62	68	57
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		354 M	135 #	2180 M	4930 M	2440 M	733 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	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.33 M	8.56 #	14.3 M	6.72 M	7.84 M	4.56 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 #	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	11.8 #	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		3.33 M	<3 #	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	11.8	<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	11.8	13.2	59.4	17.9	19.4
Aliphatics >C6-C8	<10 µg/kg	TM089		28.9	40.7	34	503	138	42.2
Aliphatics >C8-C10	<10 µg/kg	TM089		63.3	16.1	376	1250	464	113
Aliphatics >C10-C12	<10 µg/kg	TM089		123	17.1	888	1370	902	286
Aliphatics >C12-C16	<100 µg/kg	TM173		<100	12400	125000	20000	32600	13500
Aliphatics >C16-C21	<100 µg/kg	TM173		<100	34600	153000	37800	52900	19200
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	66300	592000	96200	123000	31000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	19900	269000	38700	47700	10000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		<100	133000	1140000	193000	256000	73700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	14.3	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		47.7	26.8	254	831	309	75.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		82.1	11.8	593	909	600	190
Aromatics >EC12-EC16	<100 µg/kg	TM173		72600	3360	345000	6710	7550	6020
Aromatics >EC16-EC21	<100 µg/kg	TM173		124000	15500	1620000	26300	26900	17000
Aromatics >EC21-EC35	<100 µg/kg	TM173		197000	65500	4150000	101000	123000	58300
Aromatics >EC35-EC44	<100 µg/kg	TM173		81300	24100	1360000	40800	59200	33200
Aromatics >EC40-EC44	<100 µg/kg	TM173		31200	9320	529000	15700	23800	14000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		475000	108000	7480000	174000	216000	114000
Total Aliphatics >C5-35	<100 µg/kg	TM173		221	113000	872000	157000	210000	64200
Total Aromatics >C5-35	<100 µg/kg	TM173		394000	84400	6120000	135000	158000	81600
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		394000	198000	6990000	292000	368000	146000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	5.10	0.50	0.80	2.20	3.00	4.10
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
*	Subcontracted test.	Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.	.	.	.
		Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
		SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
(F)	Trigger breach confirmed	Lab Sample No.(s)	8254048	8254049	8254050	8254051	8254052	8254054
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	475000	242000	8620000	372000	475000	189000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12
			Depth (m)	5.00	0.30	1.00	2.10	3.10	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254056	8254058	8254059	8254060	8254061	8254062
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		68	88	76	73	47	62
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		941 M	11100 M	3360 M	572 M	5620 M	9740 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		4.6 M	25.1 M	4.48 M	4.52 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	6.55 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		4.6 M	<3 M	<3 M	4.52 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	25.1	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		57.5	17.5	11.2	<10	48.6	392
Aliphatics >C6-C8	<10 µg/kg	TM089		61	72.1	47	13.6	296	1830
Aliphatics >C8-C10	<10 µg/kg	TM089		130	2290	647	85.9	1170	1890
Aliphatics >C10-C12	<10 µg/kg	TM089		357	4270	1320	238	1990	2620
Aliphatics >C12-C16	<100 µg/kg	TM173		16500	442000	189000	19100	59200	46600
Aliphatics >C16-C21	<100 µg/kg	TM173		30600	380000	159000	31600	77000	64400
Aliphatics >C21-C35	<100 µg/kg	TM173		62100	635000	312000	47600	107000	99900
Aliphatics >C35-C44	<100 µg/kg	TM173		17700	226000	155000	16200	27900	38900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		127000	1680000	815000	115000	271000	250000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	25.1	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		92	1530	438	65.5	779	1260
Aromatics >EC10-EC12	<10 µg/kg	TM089		238	2850	881	159	1330	1750
Aromatics >EC12-EC16	<100 µg/kg	TM173		4530	116000	33200	3840	25700	13500
Aromatics >EC16-EC21	<100 µg/kg	TM173		18800	207000	66200	14300	64100	40100
Aromatics >EC21-EC35	<100 µg/kg	TM173		73600	263000	145000	55200	158000	117000
Aromatics >EC35-EC44	<100 µg/kg	TM173		32800	107000	68900	23300	67900	51200
Aromatics >EC40-EC44	<100 µg/kg	TM173		12900	40100	27900	8690	28000	20000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		130000	693000	313000	96700	316000	221000
Total Aliphatics >C5-35	<100 µg/kg	TM173		110000	1460000	662000	98700	246000	218000
Total Aromatics >C5-35	<100 µg/kg	TM173		97200	591000	245000	73600	250000	173000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		207000	2050000	907000	172000	496000	391000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	5.00	0.30	1.00	2.10	3.10	4.20
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
*	Subcontracted test.	Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.	.	.	.
		Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
		SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
(F)	Trigger breach confirmed	Lab Sample No.(s)	8254056	8254058	8254059	8254060	8254061	8254062
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	257000	2390000	1130000	212000	592000	481000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Customer Sample R	NCA12
Depth (m)	5.20
Sample Type	Soil/Solid
Date Sampled	09/10/2013
Sample Time	.
Date Received	11/10/2013
SDG Ref	131011-97
Lab Sample No.(s)	8254066
AGS Reference	

Component	LOD/Units	Method	
GRO Surrogate % recovery**	%	TM089	65
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	2580 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M
Benzene	<10 µg/kg	TM089	<10 M
Toluene	<2 µg/kg	TM089	21.7 M
Ethylbenzene	<3 µg/kg	TM089	<3 M
m,p-Xylene	<6 µg/kg	TM089	<6 M
o-Xylene	<3 µg/kg	TM089	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	171
Aliphatics >C6-C8	<10 µg/kg	TM089	381
Aliphatics >C8-C10	<10 µg/kg	TM089	441
Aliphatics >C10-C12	<10 µg/kg	TM089	760
Aliphatics >C12-C16	<100 µg/kg	TM173	26800
Aliphatics >C16-C21	<100 µg/kg	TM173	40300
Aliphatics >C21-C35	<100 µg/kg	TM173	99700
Aliphatics >C35-C44	<100 µg/kg	TM173	33900
Total Aliphatics >C12-C44	<100 µg/kg	TM173	201000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	21.7
Aromatics >EC8-EC10	<10 µg/kg	TM089	294
Aromatics >EC10-EC12	<10 µg/kg	TM089	507
Aromatics >EC12-EC16	<100 µg/kg	TM173	8850
Aromatics >EC16-EC21	<100 µg/kg	TM173	29600
Aromatics >EC21-EC35	<100 µg/kg	TM173	118000
Aromatics >EC35-EC44	<100 µg/kg	TM173	60700
Aromatics >EC40-EC44	<100 µg/kg	TM173	24700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	217000
Total Aliphatics >C5-35	<100 µg/kg	TM173	169000
Total Aromatics >C5-35	<100 µg/kg	TM173	157000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	325000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend		Customer Sample R	NCA12
#	ISO17025 accredited.		
M	*m*CERTS accredited.		
aq	Aqueous / settled sample.	Depth (m)	5.20
diss.filt	Dissolved / filtered sample.	Sample Type	Soil/Solid
tot.unfilt	Total / unfiltered sample.	Date Sampled	09/10/2013
*	Subcontracted test.	Sample Time	.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	11/10/2013
		SDG Ref	131011-97
(F)	Trigger breach confirmed	Lab Sample No.(s)	8254066
1-4&+§@	Sample deviation (see appendix)	AGS Reference	

Component	LOD/Units	Method	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	420000

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4
			Depth (m)	0.30	1.00	2.00	3.00	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254010	8254011	8254012	8254013	8254014	8254017
			AGS Reference						
Dibromofluoromethane**	%	TM116		109	87.2	93.5	97.9	99.4	97.3
Toluene-d8**	%	TM116		99.4	77.8	85.7	86.6	107	112
4-Bromofluorobenzene**	%	TM116		98.2	130	131	127	100	100
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<4 M	<4 M	<4 M	<800 M	<800 M
Chloromethane	<7 µg/kg	TM116		<140	<7	<7	<7	<1400	<1400
Vinyl Chloride	<10 µg/kg	TM116		<200	<10	<10	<10	<2000	<2000
Bromomethane	<13 µg/kg	TM116		<260 M	<13 M	<13 M	<13 M	<2600 M	<2600 M
Chloroethane	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<14 M	<2800 M	<2800 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<6 M	<6 M	<6 M	<1200 M	<1200 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #	<10 #	<10 #	<2000 #	<2000 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	21.5 M	14.3 M	12.2 M	<1400 M	<1400 M
Dichloromethane	<10 µg/kg	TM116		<200 #	12.6 #	<10 #	14.6 #	<2000 #	<2000 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<11 M	<2200 M	<2200 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<11 M	<2200 M	<2200 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<8 M	<8 M	<8 M	<1600 M	<1600 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<5 M	<1000 M	<1000 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<12 M	<2400 M	<2400 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<14 M	<2800 M	<2800 M
Chloroform	<8 µg/kg	TM116		<160 M	<8 M	<8 M	<8 M	<1600 M	<1600 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<7 M	<7 M	<7 M	<1400 M	<1400 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<11 M	<2200 M	<2200 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<14 M	<2800 M	<2800 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<5 M	<1000 M	<1000 M
Benzene	<9 µg/kg	TM116		<180 M	55.8 M	15.8 M	10.7 M	<1800 M	<1800 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<9 M	<9 M	<9 M	<1800 M	<1800 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<12 M	<2400 M	<2400 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<9 M	<9 M	<9 M	<1800 M	<1800 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<7 M	<7 M	<7 M	<1400 M	<1400 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<14 M	<2800 M	<2800 M
Toluene	<5 µg/kg	TM116		117 M	217 M	51.3 M	26.6 M	<1000 M	<1000 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<100	<100	<100	<20000	<20000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<10 M	<2000 M	<2000 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4
			Depth (m)	0.30	1.00	2.00	3.00	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254010	8254011	8254012	8254013	8254014	8254017
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #	<7 #	<7 #	<1400 #	<1400 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<5 M	<1000 M	<1000 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<13 M	<13 M	<13 M	<2600 M	<2600 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<12 M	<2400 M	<2400 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<5 M	<1000 M	<1000 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<10 M	<2000 M	<2000 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	10.6 M	<4 M	<4 M	<800 M	<800 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	24.5 #	<14 #	<14 #	<2800 #	<2800 #
o-Xylene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<10 M	<2000 M	<2000 M
Styrene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<10 M	<2000 M	<2000 M
Bromoform	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<10 M	<2000 M	<2000 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<5 M	13.6 M	<5 M	<1000 M	<1000 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #	<10 #	<10 #	<2000 #	<2000 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<17 M	<17 M	<17 M	<3400 M	<3400 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<10 M	<2000 M	<2000 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<11 M	30 M	<11 M	<2200 M	<2200 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<9 M	<9 M	<9 M	<1800 M	<1800 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #	<8 #	<8 #	<1600 #	<1600 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<12 M	<2400 M	<2400 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #	<12 #	<12 #	<2400 #	<2400 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<9 #	<9 #	<9 #	<1800 #	<1800 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<10 M	<2000 M	<2000 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<11 M	<11 M	<11 M	<2200 M	<2200 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<6 M	<6 M	<1200 M	<1200 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<5 M	<5 M	<1000 M	<1000 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<10 M	<10 M	<2000 M	<2000 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<12 M	<12 M	<12 M	<2400 M	<2400 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<14 M	<14 M	<14 M	<2800 M	<2800 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15	<15	<15	<3000	<3000
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #	<6 #	<6 #	<1200 #	<1200 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12	<12	<12	<2400	<2400
Naphthalene	<13 µg/kg	TM116		<260 M	<13 M	<13 M	<13 M	<2600 M	<2600 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4
			Depth (m)	0.30	1.00	2.00	3.00	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254010	8254011	8254012	8254013	8254014	8254017
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<6 M	<6 M	<1200 M	<1200 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA5	NCA5	NCA5	NCA5	NCA5	NCA5
			Depth (m)	0.20	1.20	2.00	3.30	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254018	8254019	8254021	8254023	8254024	8254028
			AGS Reference						
Dibromofluoromethane**	%	TM116		111	91	112	94.8	109	96.7
Toluene-d8**	%	TM116		101	90.2	107	89.1	95.6	87.6
4-Bromofluorobenzene**	%	TM116		105	121	106	128	132	87.5
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<4 M	<80 M	<4 M	<4 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<7	<140	<7	<7	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<10	<200	<10	<10	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<13 M	<13 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<14 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<6 M	<6 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<10 #	<10 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<7 M	<140 M	18.8 M	<7 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<10 #	<10 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<11 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<11 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<8 M	<8 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<5 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<12 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<14 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<8 M	<8 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<7 M	<7 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<11 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<14 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<5 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	11.8 M	<9 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<9 M	<9 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<12 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<9 M	<9 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<7 M	<7 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<14 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	22.7 M	115 M	22.7 M	7.52 M	215 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<100	<2000	<100	<100	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<10 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA5	NCA5	NCA5	NCA5	NCA5	NCA5
			Depth (m)	0.20	1.20	2.00	3.30	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254018	8254019	8254021	8254023	8254024	8254028
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #	<140 #	<7 #	<7 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<5 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<13 M	<13 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<5 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<4 M	<80 M	5.03 M	<4 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<14 #	<280 #	<14 #	<14 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<10 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<5 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<10 #	<10 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<17 M	<340 M	<17 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<11 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<9 M	<9 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #	<160 #	<8 #	<8 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #	<240 #	<12 #	<12 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<9 #	<180 #	<9 #	<9 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<10 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<11 M	<11 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<6 M	<6 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<5 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<10 M	<10 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<12 M	<12 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<14 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15	<300	<15	<15	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #	<120 #	<6 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12	<240	<12	<12	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<13 M	<13 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA5	NCA5	NCA5	NCA5	NCA5	NCA5
			Depth (m)	0.20	1.20	2.00	3.30	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254018	8254019	8254021	8254023	8254024	8254028
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<6 M	<6 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6
			Depth (m)	0.40	1.30	2.30	3.10	4.10	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254031	8254033	8254034	8254035	8254036	8254037
			AGS Reference						
Dibromofluoromethane**	%	TM116		94.6	96	96.4	98.3	101	121
Toluene-d8**	%	TM116		81.9	87.3	91.5	92.5	91	90.7
4-Bromofluorobenzene**	%	TM116		110	125	90.8	92.7	93.4	112
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<4 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<7	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<10	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	20.1 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	46.2 M	<100 M	<100 M	<100 M	1040 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<100	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6
			Depth (m)	0.40	1.30	2.30	3.10	4.10	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254031	8254033	8254034	8254035	8254036	8254037
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	8.99 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<14 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<17 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	51.8 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6
			Depth (m)	0.40	1.30	2.30	3.10	4.10	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254031	8254033	8254034	8254035	8254036	8254037
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA10	NCA10	NCA10	NCA10	NCA10
			Depth (m)	0.40	0.50	1.00	2.40	3.20	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254039	8254042	8254043	8254044	8254046	8254047
			AGS Reference						
Dibromofluoromethane**	%	TM116		103	102	107	115	111	106
Toluene-d8**	%	TM116		89.1	90.2	90.5	90.4	83.9	101
4-Bromofluorobenzene**	%	TM116		108	107	101	93.9	129	108
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 #	<80 M	<80 M	<80 M	<800 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<1400
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<2000
Bromomethane	<13 µg/kg	TM116		<260 M	<260 #	<260 M	<260 M	<260 M	<2600 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<2800 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 #	<120 M	<120 M	<120 M	<1200 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<2000 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 #	<140 M	<140 M	<140 M	<1400 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<2000 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<2200 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<2200 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 #	<160 M	<160 M	<160 M	<1600 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<1000 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<2400 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<2800 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 #	<160 M	<160 M	<160 M	<1600 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 #	<140 M	<140 M	<140 M	<1400 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<2200 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<2800 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<1000 M
Benzene	<9 µg/kg	TM116		<180 M	<180 #	<180 M	<180 M	<180 M	<1800 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 #	<180 M	<180 M	<180 M	<1800 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<2400 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 #	<180 M	<180 M	<180 M	<1800 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 #	<140 M	<140 M	<140 M	<1400 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<2800 M
Toluene	<5 µg/kg	TM116		<100 M	<100 #	195 M	<100 M	<100 M	<1000 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<20000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<2000 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA10	NCA10	NCA10	NCA10	NCA10
			Depth (m)	0.40	0.50	1.00	2.40	3.20	4.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254039	8254042	8254043	8254044	8254046	8254047
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<1400 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<1000 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 #	<260 M	<260 M	<260 M	<2600 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<2400 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<1000 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<2000 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 #	<80 M	<80 M	<80 M	<800 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<2800 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<2000 M
Styrene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<2000 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<2000 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<1000 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<2000 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 #	<340 M	<340 M	<340 M	<3400 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<2000 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<2200 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 #	<180 M	<180 M	<180 M	<1800 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<1600 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<2400 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<2400 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<1800 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<2000 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<2200 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 #	<120 M	<120 M	<120 M	<1200 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<1000 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<2000 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<2400 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<2800 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<3000
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<1200 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<2400
Naphthalene	<13 µg/kg	TM116		<260 M	<260 #	<260 M	<260 M	<260 M	<2600 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	NCA7	NCA10	NCA10	NCA10	NCA10	NCA10
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.40	0.50	1.00	2.40	3.20	4.00
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	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
		SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
(F)	Trigger breach confirmed	Lab Sample No.(s)	8254039	8254042	8254043	8254044	8254046	8254047
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<120 #	<120 M	<120 M	<120 M	<1200 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
			Depth (m)	5.10	0.50	0.80	2.20	3.00	4.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254048	8254049	8254050	8254051	8254052	8254054
			AGS Reference						
Dibromofluoromethane**	%	TM116		131	99.9	118	109	102	100
Toluene-d8**	%	TM116		91.9	90.4	92.8	90.2	91.8	90.6
4-Bromofluorobenzene**	%	TM116		119	102	93.5	101	95.9	103
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 #	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 #	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 #	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 #	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 #	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 #	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 #	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 #	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 #	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 #	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 #	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
			Depth (m)	5.10	0.50	0.80	2.20	3.00	4.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254048	8254049	8254050	8254051	8254052	8254054
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 #	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 #	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 #	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 #	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 #	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 #	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 #	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 #	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 #	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
			Depth (m)	5.10	0.50	0.80	2.20	3.00	4.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254048	8254049	8254050	8254051	8254052	8254054
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 #	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12
			Depth (m)	5.00	0.30	1.00	2.10	3.10	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254056	8254058	8254059	8254060	8254061	8254062
			AGS Reference						
Dibromofluoromethane**	%	TM116		120	105	107	96	106	94.9
Toluene-d8**	%	TM116		91.4	90.6	95.7	85.5	104	84.8
4-Bromofluorobenzene**	%	TM116		92.6	97.9	133	124	114	125
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<4 M	<4 M	<80 M	<4 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<7	<7	<140	<7
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<10	<10	<200	<10
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<13 M	<260 M	<13 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<6 M	<6 M	<120 M	<6 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<10 #	<200 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	13.9 M	20.6 M	<140 M	17.2 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<10 #	11.8 #	<200 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<11 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<11 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<8 M	<8 M	<160 M	<8 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<5 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<14 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<8 M	<8 M	<160 M	<8 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<7 M	<7 M	<140 M	<7 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<14 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<5 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<9 M	<180 M	17.6 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<9 M	<180 M	<9 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<9 M	<180 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<7 M	<7 M	<140 M	<7 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<14 M
Toluene	<5 µg/kg	TM116		<100 M	147 M	9.35 M	27.8 M	<100 M	40.3 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<100	<100	<2000	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<10 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12
			Depth (m)	5.00	0.30	1.00	2.10	3.10	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254056	8254058	8254059	8254060	8254061	8254062
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<7 #	<7 #	<140 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<13 M	<260 M	<13 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<5 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<4 M	5.34 M	<80 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<14 #	<14 #	<280 #	<14 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<10 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<10 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<5 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<10 #	<200 #	<10 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<17 M	<17 M	<340 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<9 M	<9 M	<180 M	<9 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<8 #	<8 #	<160 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<12 #	<12 #	<240 #	<12 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<9 #	<9 #	<180 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<11 M	<11 M	<220 M	<11 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<6 M	<6 M	<120 M	<6 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<5 M	<5 M	<100 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<10 M	<10 M	<200 M	<10 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<12 M	<12 M	<240 M	<12 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<14 M	<14 M	<280 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<15	<15	<300	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<6 #	<6 #	<120 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<12	<12	<240	<12
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<13 M	<13 M	<260 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12
			Depth (m)	5.00	0.30	1.00	2.10	3.10	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013	11/10/2013
			SDG Ref	131011-97	131011-97	131011-97	131011-97	131011-97	131011-97
			Lab Sample No.(s)	8254056	8254058	8254059	8254060	8254061	8254062
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<6 M	<6 M	<120 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Customer Sample R	NCA12
Depth (m)	5.20
Sample Type	Soil/Solid
Date Sampled	09/10/2013
Sample Time	.
Date Received	11/10/2013
SDG Ref	131011-97
Lab Sample No.(s)	8254066
AGS Reference	

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM116	103
Toluene-d8**	%	TM116	91.3
4-Bromofluorobenzene**	%	TM116	98.9
Dichlorodifluoromethane	<4 µg/kg	TM116	<80 M
Chloromethane	<7 µg/kg	TM116	<140
Vinyl Chloride	<10 µg/kg	TM116	<200
Bromomethane	<13 µg/kg	TM116	<260 M
Chloroethane	<14 µg/kg	TM116	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116	<200 #
Carbon Disulphide	<7 µg/kg	TM116	<140 M
Dichloromethane	<10 µg/kg	TM116	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116	<240 M
Bromochloromethane	<14 µg/kg	TM116	<280 M
Chloroform	<8 µg/kg	TM116	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116	<220 M
Carbontetrachloride	<14 µg/kg	TM116	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116	<100 M
Benzene	<9 µg/kg	TM116	<180 M
Trichloroethene	<9 µg/kg	TM116	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116	<240 M
Dibromomethane	<9 µg/kg	TM116	<180 M
Bromodichloromethane	<7 µg/kg	TM116	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280 M
Toluene	<5 µg/kg	TM116	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Customer Sample R	NCA12
Depth (m)	5.20
Sample Type	Soil/Solid
Date Sampled	09/10/2013
Sample Time	.
Date Received	11/10/2013
SDG Ref	131011-97
Lab Sample No.(s)	8254066
AGS Reference	

Component	LOD/Units	Method	
1,3-Dichloropropane	<7 µg/kg	TM116	<140 #
Tetrachloroethene	<5 µg/kg	TM116	<100 M
Dibromochloromethane	<13 µg/kg	TM116	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116	<240 M
Chlorobenzene	<5 µg/kg	TM116	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116	<200 M
Ethylbenzene	<4 µg/kg	TM116	<80 M
p/m-Xylene	<14 µg/kg	TM116	<280 #
o-Xylene	<10 µg/kg	TM116	<200 M
Styrene	<10 µg/kg	TM116	<200 M
Bromoform	<10 µg/kg	TM116	<200 M
Isopropylbenzene	<5 µg/kg	TM116	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116	<340 M
Bromobenzene	<10 µg/kg	TM116	<200 M
Propylbenzene	<11 µg/kg	TM116	<220 M
2-Chlorotoluene	<9 µg/kg	TM116	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116	<160 #
4-Chlorotoluene	<12 µg/kg	TM116	<240 M
tert-Butylbenzene	<12 µg/kg	TM116	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116	<180 #
sec-Butylbenzene	<10 µg/kg	TM116	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116	<100 M
n-Butylbenzene	<10 µg/kg	TM116	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116	<240
Naphthalene	<13 µg/kg	TM116	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	NCA12
#	ISO17025 accredited.		
M	*m*CERTS accredited.		
aq	Aqueous / settled sample.		
diss.filt	Dissolved / filtered sample.		
tot.unfilt	Total / unfiltered sample.		
*	Subcontracted test.		
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		
(F)	Trigger breach confirmed		
1-4&+§@	Sample deviation (see appendix)		
		Depth (m)	5.20
		Sample Type	Soil/Solid
		Date Sampled	09/10/2013
		Sample Time	.
		Date Received	11/10/2013
		SDG Ref	131011-97
		Lab Sample No.(s)	8254066
		AGS Reference	

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

13:22:28 25/10/2013

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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	NCA4 0.30 SOLID 09/10/2013 00:00:00 131011-97 8254010 TM048	17/10/13	Paul Fenney	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	NCA4 1.00 SOLID 09/10/2013 00:00:00 131011-97 8254011 TM048	17/10/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA4 2.00 SOLID 09/10/2013 00:00:00 131011-97 8254012 TM048	17/10/13	Paul Fenney	Soil containing loose fibres and ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA4 3.00 SOLID 09/10/2013 00:00:00 131011-97 8254013 TM048	17/10/13	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	NCA4 4.00 SOLID 09/10/2013 00:00:00 131011-97 8254014 TM048	17/10/13	Paul Fenney	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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	NCA4 5.00 SOLID 09/10/2013 00:00:00 131011-97 8254017 TM048	17/10/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA5 0.20 SOLID 09/10/2013 00:00:00 131011-97 8254018 TM048	17/10/13	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA5 1.20 SOLID 09/10/2013 00:00:00 131011-97 8254019 TM048	17/10/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA5 2.00 SOLID 09/10/2013 00:00:00 131011-97 8254021 TM048	17/10/13	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	NCA5 3.30 SOLID 09/10/2013 00:00:00 131011-97 8254023 TM048	17/10/13	Kevin Bowron	Soil containing loose fibres & ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA5 4.00 SOLID 09/10/2013 00:00:00 131011-97 8254024 TM048	17/10/13	Paul Fenney	soil containing loose fibres and ACM debris	Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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	NCA5 5.00 SOLID 09/10/2013 00:00:00 131011-97 8254028 TM048	17/10/13	Paul Fenney	Soil containing loose fibres and debris typical of asbestos lagging	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	NCA6 0.40 SOLID 09/10/2013 00:00:00 131011-97 8254031 TM048	17/10/13	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	NCA6 1.30 SOLID 09/10/2013 00:00:00 131011-97 8254033 TM048	17/10/13	Martin Cotterell	soil containing loose fibres and ACM debris	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA6 2.30 SOLID 09/10/2013 00:00:00 131011-97 8254034 TM048	17/10/13	Paul Fenney	Loose fibres in soil	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA6 3.10 SOLID 09/10/2013 00:00:00 131011-97 8254035 TM048	17/10/13	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA6 4.10 SOLID 09/10/2013 00:00:00 131011-97 8254036 TM048	17/10/13	Paul Fenney	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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	NCA6 5.10 SOLID 09/10/2013 00:00:00 131011-97 8254037 TM048	17/10/13	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	NCA7 0.40 SOLID 09/10/2013 00:00:00 131011-97 8254039 TM048	17/10/13	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	NCA10 0.50 SOLID 09/10/2013 00:00:00 131011-97 8254042 TM048	17/10/13	Martin Cotterell	loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA10 1.00 SOLID 09/10/2013 00:00:00 131011-97 8254043 TM048	17/10/13	Kevin Bowron	Soil containing loose fibres & ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA10 2.40 SOLID 09/10/2013 00:00:00 131011-97 8254044 TM048	17/10/13	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA10 3.20 SOLID 09/10/2013 00:00:00 131011-97 8254046 TM048	17/10/13	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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	NCA10 4.00 SOLID 09/10/2013 00:00:00 131011-97 8254047 TM048	17/10/13	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	NCA10 5.10 SOLID 09/10/2013 00:00:00 131011-97 8254048 TM048	17/10/13	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	NCA11 0.50 SOLID 09/10/2013 00:00:00 131011-97 8254049 TM048	17/10/13	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	NCA11 0.80 SOLID 09/10/2013 00:00:00 131011-97 8254050 TM048	17/10/13	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA11 2.20 SOLID 09/10/2013 00:00:00 131011-97 8254051 TM048	17/10/13	Martin Cotterell	Soil containing loose fibres and ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA11 3.00 SOLID 09/10/2013 00:00:00 131011-97 8254052 TM048	17/10/13	Laura Robbins	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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	NCA11 4.10 SOLID 09/10/2013 00:00:00 131011-97 8254054 TM048	17/10/13	Martin Cotterell	loose fibres in soil	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA11 5.00 SOLID 09/10/2013 00:00:00 131011-97 8254056 TM048	17/10/13	Martin Cotterell	loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA12 0.30 SOLID 09/10/2013 00:00:00 131011-97 8254058 TM048	17/10/13	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	NCA12 1.00 SOLID 09/10/2013 00:00:00 131011-97 8254059 TM048	17/10/13	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA12 2.10 SOLID 09/10/2013 00:00:00 131011-97 8254060 TM048	17/10/13	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA12 3.10 SOLID 09/10/2013 00:00:00 131011-97 8254061 TM048	17/10/13	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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	NCA12 4.20 SOLID 09/10/2013 00:00:00 131011-97 8254062 TM048	18/10/13	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	NCA12 5.20 SOLID 09/10/2013 00:00:00 131011-97 8254066 TM048	17/10/13	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA4 0.30 SOLID 09/10/2013 00:00:00 131011-97 8254010 TM 304	None (#)	N/C	0.0315 (#)	0.0031 (#)	0.0346 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA5 0.20 SOLID 09/10/2013 00:00:00 131011-97 8254018 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	NCA10 0.50 SOLID 09/10/2013 00:00:00 131011-97 8254042 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	NCA11 0.50 SOLID 09/10/2013 00:00:00 131011-97 8254049 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	NCA12 0.30 SOLID 09/10/2013 00:00:00 131011-97 8254058 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
ASB_PREP				
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM 304				
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		

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

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8254010	8254011	8254012	8254013	8254014	8254017	8254018	8254019	8254021	8254023
Customer Sample Ref.	NCA4	NCA4	NCA4	NCA4	NCA4	NCA4	NCA5	NCA5	NCA5	NCA5
AGS Ref.										
Depth	0.30	1.00	2.00	3.00	4.00	5.00	0.20	1.20	2.00	3.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Asbestos Quantification - Full	25-Oct-2013						25-Oct-2013			
EPH CWG (Aliphatic) GC (S)	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013
EPH CWG (Aromatic) GC (S)	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013
GRO by GC-FID (S)	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Metals in solid samples by OES	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
pH	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	18-Oct-2013	17-Oct-2013	17-Oct-2013	18-Oct-2013
Sample description	15-Oct-2013	15-Oct-2013	15-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013
Semi Volatile Organic Compounds	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Total Organic Carbon	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
TPH CWG GC (S)	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013
VOC MS (S)	20-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	21-Oct-2013	21-Oct-2013	20-Oct-2013	17-Oct-2013	20-Oct-2013	17-Oct-2013

Lab Sample No(s)	8254024	8254028	8254031	8254033	8254034	8254035	8254036	8254037	8254039	8254042
Customer Sample Ref.	NCA5	NCA5	NCA6	NCA6	NCA6	NCA6	NCA6	NCA6	NCA7	NCA10
AGS Ref.										
Depth	4.00	5.00	0.40	1.30	2.30	3.10	4.10	5.10	0.40	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	18-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Asbestos Quantification - Full										25-Oct-2013
EPH CWG (Aliphatic) GC (S)	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013
EPH CWG (Aromatic) GC (S)	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013
GRO by GC-FID (S)	17-Oct-2013	16-Oct-2013	16-Oct-2013	17-Oct-2013	16-Oct-2013	16-Oct-2013	16-Oct-2013	17-Oct-2013	16-Oct-2013	17-Oct-2013
Metals in solid samples by OES	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
pH	18-Oct-2013	18-Oct-2013	17-Oct-2013	18-Oct-2013	17-Oct-2013	18-Oct-2013	18-Oct-2013	17-Oct-2013	18-Oct-2013	17-Oct-2013
Sample description	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	15-Oct-2013	14-Oct-2013	15-Oct-2013
Semi Volatile Organic Compounds	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Total Organic Carbon	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
TPH CWG GC (S)	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013
VOC MS (S)	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013

Lab Sample No(s)	8254043	8254044	8254046	8254047	8254048	8254049	8254050	8254051	8254052	8254054
Customer Sample Ref.	NCA10	NCA10	NCA10	NCA10	NCA10	NCA11	NCA11	NCA11	NCA11	NCA11
AGS Ref.										
Depth	1.00	2.40	3.20	4.00	5.10	0.50	0.80	2.20	3.00	4.10
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Asbestos Quantification - Full						24-Oct-2013				
EPH CWG (Aliphatic) GC (S)	18-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013
EPH CWG (Aromatic) GC (S)	18-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013
GRO by GC-FID (S)	16-Oct-2013	17-Oct-2013	16-Oct-2013	16-Oct-2013	17-Oct-2013	17-Oct-2013	16-Oct-2013	17-Oct-2013	16-Oct-2013	17-Oct-2013
Metals in solid samples by OES	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
pH	17-Oct-2013	17-Oct-2013	17-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	17-Oct-2013	18-Oct-2013	18-Oct-2013
Sample description	14-Oct-2013	15-Oct-2013	14-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013
Semi Volatile Organic Compounds	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Total Organic Carbon	21-Oct-2013	21-Oct-2013	21-Oct-2013	22-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
TPH CWG GC (S)	18-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013
VOC MS (S)	18-Oct-2013	18-Oct-2013	17-Oct-2013	21-Oct-2013	17-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013

CERTIFICATE OF ANALYSIS

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Lab Sample No(s)	8254056	8254058	8254059	8254060	8254061	8254062	8254066
Customer Sample Ref.	NCA11	NCA12	NCA12	NCA12	NCA12	NCA12	NCA12
AGS Ref.							
Depth	5.00	0.30	1.00	2.10	3.10	4.20	5.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	18-Oct-2013	17-Oct-2013
Asbestos Quantification - Full		24-Oct-2013					
EPH CWG (Aliphatic) GC (S)	18-Oct-2013	21-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013
EPH CWG (Aromatic) GC (S)	18-Oct-2013	21-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013
GRO by GC-FID (S)	17-Oct-2013	17-Oct-2013	16-Oct-2013	17-Oct-2013	18-Oct-2013	17-Oct-2013	17-Oct-2013
Metals in solid samples by OES	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
pH	17-Oct-2013	17-Oct-2013	18-Oct-2013	18-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Sample description	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013
Semi Volatile Organic Compounds	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013	17-Oct-2013
Total Organic Carbon	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
TPH CWG GC (S)	18-Oct-2013	21-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013	18-Oct-2013	21-Oct-2013
VOC MS (S)	18-Oct-2013	18-Oct-2013	17-Oct-2013	17-Oct-2013	20-Oct-2013	17-Oct-2013	18-Oct-2013

SDG:	131011-97	**Location:**	Coed Darcy	**Order Number:**	CD0516
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247354
Client Reference:	NCA	**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**
§	**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

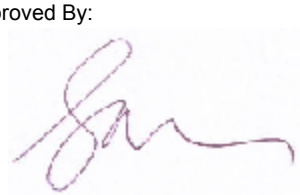
Date:	25 October 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	131017-48
Your Reference:	NCA
Location:	Coed Darcy
Report No:	247467

We received 30 samples on Thursday October 17, 2013 and 30 of these samples were scheduled for analysis which was completed on Friday October 25, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8281421	NCA 13		0.30	15/10/2013
8281423	NCA 13		1.40	15/10/2013
8281425	NCA 13		2.40	15/10/2013
8281427	NCA 13		3.30	15/10/2013
8281429	NCA 13		4.20	15/10/2013
8281431	NCA 13		5.10	15/10/2013
8281434	NCA 14		0.20	15/10/2013
8281435	NCA 14		1.10	15/10/2013
8281436	NCA 14		2.30	15/10/2013
8281438	NCA 14		3.10	15/10/2013
8281440	NCA 14		4.20	15/10/2013
8281442	NCA 14		5.00	15/10/2013
8282757	NCA 15		0.30	15/10/2013
8282759	NCA 15		0.90	15/10/2013
8282760	NCA 15		2.20	15/10/2013
8282763	NCA 15		3.10	15/10/2013
8282765	NCA 15		4.00	15/10/2013
8282766	NCA 15		5.20	15/10/2013
8282768	NCA 16		0.40	15/10/2013
8282769	NCA 16		1.20	15/10/2013
8282770	NCA 16		2.20	15/10/2013
8282772	NCA 16		3.10	15/10/2013
8282775	NCA 16		4.00	15/10/2013
8282776	NCA 16		5.20	15/10/2013
8282172	NCA 17		0.30	15/10/2013
8282174	NCA 17		1.00	15/10/2013
8282176	NCA 17		2.30	15/10/2013
8282177	NCA 17		3.20	15/10/2013
8282178	NCA 17		4.00	15/10/2013
8282180	NCA 17		5.00	15/10/2013

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

SDG: 131017-48
Job: H_ATKINS_LDC-184
Client Reference: NCA
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0522
Report Number: 247467
Superseded Report:

SOLID

Results Legend

X Test

N No Determination Possible

	Lab Sample No(s)		8281421			8281423			8281425			8281427			8281429			8281431			8281434			8281435			8281436			8281438			8281440			8281442			8282757			8282759
	Customer Sample Reference		NCA 13			NCA 13			NCA 13			NCA 13			NCA 13			NCA 13			NCA 14			NCA 14			NCA 14			NCA 14			NCA 14			NCA 14			NCA 15			NCA 15
	AGS Reference																																										
	Depth (m)		0.30			1.40			2.40			3.30			4.20			5.10			0.20			1.10			2.30			3.10			4.20			5.00			0.30			0.90
	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: 30		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 30		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			8282759		8282760			8282763			8282765			8282766			8282768			8282769			8282770			8282772			8282775			8282776			8282172			8282174			8282176	
Customer Sample Reference			NCA 15		NCA 15			NCA 15			NCA 15			NCA 15			NCA 16			NCA 16			NCA 16			NCA 16			NCA 16			NCA 16			NCA 17			NCA 17			NCA 17	
AGS Reference																																											
Depth (m)			0.90		2.20			3.10			4.00			5.20			0.40			1.20			2.20			3.10			4.00			5.20			0.30			1.00			2.30	
Container			400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (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: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 30		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 30	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 30			X			X			X			X			X			X			X			X			X			X			X			X			X	
VOC MS (S)	All	NDPs: 0 Tests: 30		X			X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			8282176	8282177	8282178	8282180
Customer Sample Reference			NCA 17	NCA 17	NCA 17	NCA 17
AGS Reference						
Depth (m)			2.30	3.20	4.00	5.00
Container			60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)	250g Amber Jar (AL	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 30		X		X		X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 30		X		X		X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 30		X		X		X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 30	X		X		X		X
Metals in solid samples by OES	All	NDPs: 0 Tests: 30		X		X		X	
pH	All	NDPs: 0 Tests: 30		X		X		X	
Sample description	All	NDPs: 0 Tests: 30		X		X		X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 30		X		X		X	
Total Organic Carbon	All	NDPs: 0 Tests: 30		X		X		X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 30		X		X		X	
VOC MS (S)	All	NDPs: 0 Tests: 30	X		X		X		X

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
8281421	NCA 13	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
8281423	NCA 13	1.40	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
8281425	NCA 13	2.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Crushed Brick	Stones
8281427	NCA 13	3.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
8281429	NCA 13	4.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
8281431	NCA 13	5.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	Stones
8281434	NCA 14	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8281435	NCA 14	1.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
8281436	NCA 14	2.30	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Vegetation
8281438	NCA 14	3.10	Dark Brown	Silt Loam	0.063 - 0.1 mm	Brick	Stones
8281440	NCA 14	4.20	Dark Brown	Silt Loam	0.063 - 0.1 mm	Brick	Stones
8281442	NCA 14	5.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	Brick
8282757	NCA 15	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8282759	NCA 15	0.90	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8282760	NCA 15	2.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8282763	NCA 15	3.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8282765	NCA 15	4.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
8282766	NCA 15	5.20	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
8282768	NCA 16	0.40	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
8282769	NCA 16	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
8282770	NCA 16	2.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Brick
8282772	NCA 16	3.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
8282775	NCA 16	4.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	Stones
8282776	NCA 16	5.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Brick	Stones
8282172	NCA 17	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Brick	Stones
8282174	NCA 17	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8282176	NCA 17	2.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
8282177	NCA 17	3.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
8282178	NCA 17	4.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Vegetation	Stones
8282180	NCA 17	5.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13
			Depth (m)	0.30	1.40	2.40	3.30	4.20	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281421	8281423	8281425	8281427	8281429	8281431
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		2.1 #	1.65 #	2.43 #	6.05 #	5.21 #	3.59 #
pH	1 pH Units	TM133		8.17 M	8.14 M	7.96 M	7.91 M	7.98 M	7.86 M
Arsenic	<0.6 mg/kg	TM181		14.8 M	8.44 M	18.5 M	20.2 M	23.1 M	24.7 M
Cadmium	<0.02 mg/kg	TM181		0.194 M	<0.02 M	0.248 M	0.261 M	0.532 M	0.436 M
Chromium	<0.9 mg/kg	TM181		13.9 M	14.7 M	14.3 M	16.3 M	15.6 M	16.4 M
Copper	<1.4 mg/kg	TM181		28.5 M	14.8 M	43.5 M	64.7 M	69.4 M	71.7 M
Lead	<0.7 mg/kg	TM181		90.5 M	34.4 M	68.3 M	92.2 M	107 M	136 M
Mercury	<0.14 mg/kg	TM181		0.494 M	0.31 M	0.443 M	0.76 M	0.551 M	1.37 M
Nickel	<0.2 mg/kg	TM181		20 M	34.2 M	24.4 M	25.2 M	26.7 M	27.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.6 #	13.3 #	16.1 #	26.9 #	21.8 #	23.5 #
Zinc	<1.9 mg/kg	TM181		179 M	107 M	142 M	214 M	378 M	403 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14
			Depth (m)	0.20	1.10	2.30	3.10	4.20	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281434	8281435	8281436	8281438	8281440	8281442
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		2.47 #	2.36 #	5.14 #	2.83 #	2.64 #	4.55 #
pH	1 pH Units	TM133		7.95 M	7.82 M	7.91 M	7.96 M	7.76 M	7.78 M
Arsenic	<0.6 mg/kg	TM181		12.7 M	14.5 M	26 M	19.9 M	19.7 M	13.8 M
Cadmium	<0.02 mg/kg	TM181		0.165 M	0.153 M	0.858 M	3.05 M	0.983 M	0.522 M
Chromium	<0.9 mg/kg	TM181		11.6 M	12.4 M	16.9 M	25.5 M	13.7 M	10.6 M
Copper	<1.4 mg/kg	TM181		29.3 M	38.1 M	66.6 M	64.2 M	51.3 M	43.5 M
Lead	<0.7 mg/kg	TM181		94.5 M	67.6 M	205 M	94.6 M	88.1 M	213 M
Mercury	<0.14 mg/kg	TM181		0.594 M	0.692 M	0.807 M	0.899 M	1.39 M	1.2 M
Nickel	<0.2 mg/kg	TM181		22 M	21.3 M	32.1 M	27 M	23.9 M	19.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.09 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.2 #	17.5 #	22.7 #	24 #	19.2 #	14.8 #
Zinc	<1.9 mg/kg	TM181		212 M	177 M	268 M	221 M	196 M	423 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15
			Depth (m)	0.30	0.90	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282757	8282759	8282760	8282763	8282765	8282766
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		2.22 #	1.83 #	3.29 #	3.4 #	2.83 #	2.36 #
pH	1 pH Units	TM133		8.36 M	8.29 M	7.96 M	7.98 M	8.05 M	7.85 M
Arsenic	<0.6 mg/kg	TM181		14.1 M	14.5 M	19.3 M	21.4 M	18.8 M	19.5 M
Cadmium	<0.02 mg/kg	TM181		0.159 M	<0.02 M	0.221 M	0.292 M	0.329 M	2.28 M
Chromium	<0.9 mg/kg	TM181		13.7 M	14.1 M	16.7 M	15.2 M	14.3 M	18.1 M
Copper	<1.4 mg/kg	TM181		21.5 M	32.7 M	74 M	53.2 M	47.1 M	57.8 M
Lead	<0.7 mg/kg	TM181		67 M	40.2 M	103 M	84.9 M	87.1 M	118 M
Mercury	<0.14 mg/kg	TM181		0.708 M	0.15 M	0.963 M	0.758 M	0.811 M	0.598 M
Nickel	<0.2 mg/kg	TM181		24.3 M	25.2 M	31.7 M	30.3 M	26.8 M	31.2 M
Selenium	<1 mg/kg	TM181		<1 #	1.14 #	<1 #	1.02 #	<1 #	1.07 #
Vanadium	<0.2 mg/kg	TM181		19.8 #	18.2 #	22.6 #	19.7 #	19.2 #	17.6 #
Zinc	<1.9 mg/kg	TM181		156 M	114 M	334 M	263 M	327 M	270 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16
			Depth (m)	0.40	1.20	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282768	8282769	8282770	8282772	8282775	8282776
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.86 #	2.5 #	3.5 #	3.19 #	3.67 #	2.36 #
pH	1 pH Units	TM133		7.73 M	8.05 M	7.88 M	7.97 M	8 M	7.91 M
Arsenic	<0.6 mg/kg	TM181		15.8 M	13.3 M	18.6 M	20.3 M	18.5 M	16.2 M
Cadmium	<0.02 mg/kg	TM181		0.0542 M	0.104 M	0.121 M	0.0916 M	0.158 M	0.142 M
Chromium	<0.9 mg/kg	TM181		13.5 M	13.8 M	16.9 M	14.9 M	14.6 M	13.1 M
Copper	<1.4 mg/kg	TM181		65.1 M	34.3 M	57.9 M	57.5 M	53.7 M	35.5 M
Lead	<0.7 mg/kg	TM181		31.8 M	46.7 M	97.7 M	82 M	84.5 M	77.7 M
Mercury	<0.14 mg/kg	TM181		0.228 M	0.429 M	1.05 M	0.577 M	0.67 M	0.84 M
Nickel	<0.2 mg/kg	TM181		27 M	27.1 M	37.4 M	29.9 M	26.1 M	25.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.04 #	<1 #	<1 #	1.02 #
Vanadium	<0.2 mg/kg	TM181		14.9 #	17 #	22.1 #	19.8 #	19.2 #	16.9 #
Zinc	<1.9 mg/kg	TM181		180 M	137 M	267 M	225 M	212 M	177 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17
			Depth (m)	0.30	1.00	2.30	3.20	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282172	8282174	8282176	8282177	8282178	8282180
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		2.53 #	1.67 #	3.31 #	2.28 #	3.62 #	2.84 #
pH	1 pH Units	TM133		7.98 M	7.93 M	7.83 M	8.13 M	8.1 M	7.94 M
Arsenic	<0.6 mg/kg	TM181		13.5 M	9.52 M	25.6 M	15.3 M	21 M	18.2 M
Cadmium	<0.02 mg/kg	TM181		0.11 M	<0.02 M	0.573 M	0.27 M	0.412 M	0.277 M
Chromium	<0.9 mg/kg	TM181		16.1 M	24.8 M	17.8 M	13.5 M	15.4 M	16.3 M
Copper	<1.4 mg/kg	TM181		39.4 M	8.25 M	104 M	30.7 M	61.3 M	48.6 M
Lead	<0.7 mg/kg	TM181		101 M	23.3 M	209 M	93.9 M	94.2 M	75.4 M
Mercury	<0.14 mg/kg	TM181		0.31 M	<0.14 M	1.31 M	1.56 M	1.81 M	0.542 M
Nickel	<0.2 mg/kg	TM181		31.4 M	12.8 M	30.9 M	19.3 M	27.3 M	27.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18 #	41.2 #	23.5 #	15.3 #	19.6 #	17.4 #
Zinc	<1.9 mg/kg	TM181		184 M	48.9 M	69.1 M	184 M	270 M	191 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13
			Depth (m)	0.30	1.40	2.40	3.30	4.20	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281421	8281423	8281425	8281427	8281429	8281431
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		176	108	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13
			Depth (m)	0.30	1.40	2.40	3.30	4.20	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281421	8281423	8281425	8281427	8281429	8281431
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		348	267	148	233	217	273
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		148	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		291	126	<100	131	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		1180	623	338	593	496	662
Benzo(b)fluoranthene	<100 µg/kg	TM157		1290	720	369	676	554	740
Benzo(k)fluoranthene	<100 µg/kg	TM157		988	527	271	506	436	585
Benzo(a)pyrene	<100 µg/kg	TM157		1250	705	350	673	545	724
Benzo(g,h,i)perylene	<100 µg/kg	TM157		760	424	229	682	365	497
Chrysene	<100 µg/kg	TM157		1440	818	533	780	645	864
Fluoranthene	<100 µg/kg	TM157		1860	855	461	837	731	928
Fluorene	<100 µg/kg	TM157		279	148	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		690	398	203	473	306	414
Phenanthrene	<100 µg/kg	TM157		854	419	472	638	465	599
Pyrene	<100 µg/kg	TM157		1730	872	501	815	746	931
Naphthalene	<100 µg/kg	TM157		200	147	<100	146	118	165
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		231	134	<100	144	<100	140

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14
			Depth (m)	0.20	1.10	2.30	3.10	4.20	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281434	8281435	8281436	8281438	8281440	8281442
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		193	<100	<100	<100	131	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	132	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	117	<100	246
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14
			Depth (m)	0.20	1.10	2.30	3.10	4.20	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281434	8281435	8281436	8281438	8281440	8281442
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	266	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		262	517	171	225	293	258
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		243	183	<100	<100	147	<100
Anthracene	<100 µg/kg	TM157		292	222	<100	<100	273	<100
Benzo(a)anthracene	<100 µg/kg	TM157		1190	701	606	539	1050	353
Benzo(b)fluoranthene	<100 µg/kg	TM157		1210	717	681	547	1040	408
Benzo(k)fluoranthene	<100 µg/kg	TM157		1170	608	482	470	811	296
Benzo(a)pyrene	<100 µg/kg	TM157		1380	757	643	594	1020	381
Benzo(g,h,i)perylene	<100 µg/kg	TM157		802	445	410	391	598	270
Chrysene	<100 µg/kg	TM157		1590	989	816	717	1260	461
Fluoranthene	<100 µg/kg	TM157		1820	940	787	766	1560	557
Fluorene	<100 µg/kg	TM157		339	331	<100	<100	229	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		784	437	369	333	549	225
Phenanthrene	<100 µg/kg	TM157		818	948	543	490	1110	390
Pyrene	<100 µg/kg	TM157		1680	1010	820	813	1430	577
Naphthalene	<100 µg/kg	TM157		160	187	120	136	229	157
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		234	131	124	<100	181	<100

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15
			Depth (m)	0.30	0.90	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282757	8282759	8282760	8282763	8282765	8282766
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		147	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		116	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15
			Depth (m)	0.30	0.90	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282757	8282759	8282760	8282763	8282765	8282766
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		348	<100	277	247	261	145
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		153	<100	<100	<100	111	<100
Anthracene	<100 µg/kg	TM157		308	<100	<100	139	202	<100
Benzo(a)anthracene	<100 µg/kg	TM157		1940	331	443	642	728	371
Benzo(b)fluoranthene	<100 µg/kg	TM157		2320	399	527	685	739	404
Benzo(k)fluoranthene	<100 µg/kg	TM157		1760	268	416	533	567	298
Benzo(a)pyrene	<100 µg/kg	TM157		2300	367	501	691	733	392
Benzo(g,h,i)perylene	<100 µg/kg	TM157		1360	266	349	432	467	259
Chrysene	<100 µg/kg	TM157		2380	556	594	809	900	513
Fluoranthene	<100 µg/kg	TM157		2550	457	613	1020	1170	519
Fluorene	<100 µg/kg	TM157		218	<100	<100	<100	133	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		1250	204	291	377	404	217
Phenanthrene	<100 µg/kg	TM157		732	371	460	640	736	383
Pyrene	<100 µg/kg	TM157		2500	509	631	963	1110	560
Naphthalene	<100 µg/kg	TM157		216	<100	209	172	188	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		509	<100	<100	120	138	<100

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16
			Depth (m)	0.40	1.20	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282768	8282769	8282770	8282772	8282775	8282776
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	125
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16
			Depth (m)	0.40	1.20	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282768	8282769	8282770	8282772	8282775	8282776
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	161	168	258	327
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	113	<100	256	<100
Benzo(a)anthracene	<100 µg/kg	TM157		432	240	497	317	685	469
Benzo(b)fluoranthene	<100 µg/kg	TM157		624	278	521	344	752	579
Benzo(k)fluoranthene	<100 µg/kg	TM157		427	190	418	246	572	443
Benzo(a)pyrene	<100 µg/kg	TM157		547	250	559	325	735	555
Benzo(g,h,i)perylene	<100 µg/kg	TM157		441	187	357	232	430	385
Chrysene	<100 µg/kg	TM157		622	375	610	461	944	683
Fluoranthene	<100 µg/kg	TM157		495	329	747	479	992	636
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	118	155
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		342	153	283	180	395	328
Phenanthrene	<100 µg/kg	TM157		280	307	476	388	596	481
Pyrene	<100 µg/kg	TM157		472	355	720	476	977	662
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	166	191
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		124	<100	<100	<100	130	115

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17
			Depth (m)	0.30	1.00	2.30	3.20	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282172	8282174	8282176	8282177	8282178	8282180
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	189	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17
			Depth (m)	0.30	1.00	2.30	3.20	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282172	8282174	8282176	8282177	8282178	8282180
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	163	433	229	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	204	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	136	351	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		153	156	1610	1360	438	209
Benzo(b)fluoranthene	<100 µg/kg	TM157		135	184	1450	1360	513	227
Benzo(k)fluoranthene	<100 µg/kg	TM157		116	146	1300	1040	381	169
Benzo(a)pyrene	<100 µg/kg	TM157		158	181	1590	1310	513	226
Benzo(g,h,i)perylene	<100 µg/kg	TM157		111	125	910	759	333	139
Chrysene	<100 µg/kg	TM157		209	204	1820	1600	641	311
Fluoranthene	<100 µg/kg	TM157		226	255	2370	2390	656	309
Fluorene	<100 µg/kg	TM157		<100	<100	<100	384	138	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	817	707	285	118
Phenanthrene	<100 µg/kg	TM157		199	148	620	1030	534	243
Pyrene	<100 µg/kg	TM157		232	236	2440	2060	648	315
Naphthalene	<100 µg/kg	TM157		<100	<100	118	221	132	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	266	207	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13
			Depth (m)	0.30	1.40	2.40	3.30	4.20	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281421	8281423	8281425	8281427	8281429	8281431
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		53	48	61	22	26	51
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		6380 M	10800 M	4720 M	1240 M	4400 M	5240 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		30.4 M	33.1 M	9.99 M	3.48 M	<2 M	13.6 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		30.4	33.1	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		14.1	15	15.5	22	24.9	21.5
Aliphatics >C6-C8	<10 µg/kg	TM089		71.5	113	193	78.9	246	199
Aliphatics >C8-C10	<10 µg/kg	TM089		1600	2690	1090	263	972	1200
Aliphatics >C10-C12	<10 µg/kg	TM089		2150	3670	1600	418	1500	1800
Aliphatics >C12-C16	<100 µg/kg	TM173		249000	175000	49100	84100	70600	65800
Aliphatics >C16-C21	<100 µg/kg	TM173		187000	125000	52900	109000	90600	76100
Aliphatics >C21-C35	<100 µg/kg	TM173		468000	3470000	162000	472000	237000	197000
Aliphatics >C35-C44	<100 µg/kg	TM173		156000	385000	43100	136000	96500	71800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1060000	4160000	307000	800000	494000	410000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		30.4	33.1	<10	<10	<10	13.6
Aromatics >EC8-EC10	<10 µg/kg	TM089		1070	1800	730	177	647	799
Aromatics >EC10-EC12	<10 µg/kg	TM089		1430	2440	1070	278	1000	1200
Aromatics >EC12-EC16	<100 µg/kg	TM173		72300	64600	15100	23600	21600	19400
Aromatics >EC16-EC21	<100 µg/kg	TM173		120000	107000	42200	70900	61100	58200
Aromatics >EC21-EC35	<100 µg/kg	TM173		192000	275000	141000	150000	249000	213000
Aromatics >EC35-EC44	<100 µg/kg	TM173		84300	114000	65000	60100	153000	104000
Aromatics >EC40-EC44	<100 µg/kg	TM173		30300	41600	25100	22500	60800	40000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		468000	560000	263000	305000	485000	395000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1530000	4730000	575000	1110000	984000	810000

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14
			Depth (m)	0.20	1.10	2.30	3.10	4.20	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281434	8281435	8281436	8281438	8281440	8281442
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		80	32	32	50	52	45
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		21300 M	619 M	3330 M	14800 M	17500 M	11100 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	12 M
Toluene	<2 µg/kg	TM089		38.9 M	6.55 M	<2 M	<2 M	48.8 M	44.9 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<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		38.9	<24	<24	<24	48.8	56.9
Aliphatics >C5-C6	<10 µg/kg	TM089		18.4	<10	12.4	41.4	18.9	17.5
Aliphatics >C6-C8	<10 µg/kg	TM089		212	21.8	176	1380	300	317
Aliphatics >C8-C10	<10 µg/kg	TM089		5480	105	853	4240	4750	3180
Aliphatics >C10-C12	<10 µg/kg	TM089		7110	243	1030	3800	5500	3280
Aliphatics >C12-C16	<100 µg/kg	TM173		270000	304000	101000	171000	272000	179000
Aliphatics >C16-C21	<100 µg/kg	TM173		206000	290000	125000	209000	216000	187000
Aliphatics >C21-C35	<100 µg/kg	TM173		400000	1100000	431000	1230000	507000	431000
Aliphatics >C35-C44	<100 µg/kg	TM173		161000	338000	137000	330000	210000	160000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1040000	2030000	794000	1940000	1200000	957000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	12
Aromatics >EC7-EC8	<10 µg/kg	TM089		38.9	<10	<10	<10	48.8	44.9
Aromatics >EC8-EC10	<10 µg/kg	TM089		3650	72	568	2830	3160	2120
Aromatics >EC10-EC12	<10 µg/kg	TM089		4740	163	687	2530	3670	2180
Aromatics >EC12-EC16	<100 µg/kg	TM173		68400	93100	24900	49400	80800	62200
Aromatics >EC16-EC21	<100 µg/kg	TM173		122000	190000	71200	136000	156000	133000
Aromatics >EC21-EC35	<100 µg/kg	TM173		212000	300000	192000	309000	347000	288000
Aromatics >EC35-EC44	<100 µg/kg	TM173		86500	112000	81700	116000	153000	122000
Aromatics >EC40-EC44	<100 µg/kg	TM173		30900	39700	31000	45400	55000	45700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		489000	695000	370000	611000	736000	605000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1550000	2730000	1170000	2560000	1960000	1570000

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15
			Depth (m)	0.30	0.90	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282757	8282759	8282760	8282763	8282765	8282766
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		20	89	13	61	84	57
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		9680 M	7300 M	2390 M	4650 M	5420 M	4020 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		8.75 M	<2 M	<2 M	13.4 M	18.7 M	31.9 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		18.6 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		18.6	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		27.4	<24	<24	<24	<24	31.9
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	23.7	14.8	12.3	18.7	12.1
Aliphatics >C6-C8	<10 µg/kg	TM089		83.1	742	153	103	147	137
Aliphatics >C8-C10	<10 µg/kg	TM089		2730	2120	515	888	1480	851
Aliphatics >C10-C12	<10 µg/kg	TM089		3000	1800	815	1820	1660	1450
Aliphatics >C12-C16	<100 µg/kg	TM173		400000	20600	24300	44900	146000	87800
Aliphatics >C16-C21	<100 µg/kg	TM173		285000	35700	34800	59000	139000	119000
Aliphatics >C21-C35	<100 µg/kg	TM173		433000	89600	75900	147000	410000	353000
Aliphatics >C35-C44	<100 µg/kg	TM173		290000	34500	20200	51700	163000	112000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1410000	180000	155000	303000	858000	672000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	13.4	18.7	31.9
Aromatics >EC8-EC10	<10 µg/kg	TM089		1840	1410	343	592	984	567
Aromatics >EC10-EC12	<10 µg/kg	TM089		2000	1200	544	1220	1110	965
Aromatics >EC12-EC16	<100 µg/kg	TM173		99400	4530	5360	7730	36500	21100
Aromatics >EC16-EC21	<100 µg/kg	TM173		153000	22700	22300	30300	80900	69800
Aromatics >EC21-EC35	<100 µg/kg	TM173		228000	103000	90700	119000	210000	252000
Aromatics >EC35-EC44	<100 µg/kg	TM173		122000	57800	41900	51500	87100	98100
Aromatics >EC40-EC44	<100 µg/kg	TM173		53100	22700	15700	17700	32600	36200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		603000	188000	160000	209000	415000	441000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2020000	376000	318000	516000	1280000	1120000

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16
			Depth (m)	0.40	1.20	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282768	8282769	8282770	8282772	8282775	8282776
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		73	83	102	16	56	6
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		408 M	2130 M	1260 M	2200 M	9700 M	1960 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		5.48 M	10.2 M	<2 M	<2 M	36.6 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	36.6	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	10.2	17.9	66.1	13.3	26.2
Aliphatics >C6-C8	<10 µg/kg	TM089		56.9	98.3	176	525	320	306
Aliphatics >C8-C10	<10 µg/kg	TM089		99.6	414	351	463	2290	391
Aliphatics >C10-C12	<10 µg/kg	TM089		98.6	793	290	501	3310	585
Aliphatics >C12-C16	<100 µg/kg	TM173		16800	55400	32300	43200	241000	271000
Aliphatics >C16-C21	<100 µg/kg	TM173		38700	81400	51600	52900	204000	229000
Aliphatics >C21-C35	<100 µg/kg	TM173		105000	121000	127000	64700	283000	307000
Aliphatics >C35-C44	<100 µg/kg	TM173		41700	37300	49600	16500	109000	130000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		203000	295000	260000	177000	836000	938000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	10.2	<10	<10	36.6	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		71.2	276	234	308	1520	261
Aromatics >EC10-EC12	<10 µg/kg	TM089		65.7	529	193	334	2210	390
Aromatics >EC12-EC16	<100 µg/kg	TM173		6620	16400	9240	15500	59400	92100
Aromatics >EC16-EC21	<100 µg/kg	TM173		53600	58500	33300	39900	117000	142000
Aromatics >EC21-EC35	<100 µg/kg	TM173		186000	149000	140000	103000	214000	232000
Aromatics >EC35-EC44	<100 µg/kg	TM173		67400	61500	67200	56600	89600	94800
Aromatics >EC40-EC44	<100 µg/kg	TM173		23700	23300	26300	23600	32800	35900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		314000	285000	249000	215000	480000	561000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		517000	582000	511000	395000	1330000	1500000

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17
			Depth (m)	0.30	1.00	2.30	3.20	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282172	8282174	8282176	8282177	8282178	8282180
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		43	30	26	51	21	20
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1130 M	5250 M	3580 M	9700 M	4030 M	1930 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		108 M	<10 M	<10 M	17.6 M	11.1 M	<10 M
Toluene	<2 µg/kg	TM089		14.4 M	4.48 M	<2 M	235 M	45.5 M	241 M
Ethylbenzene	<3 µg/kg	TM089		3.33 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	7.68 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		126	<24	<24	253	56.6	241
Aliphatics >C5-C6	<10 µg/kg	TM089		17.8	13.4	23.7	14.3	15.5	14.6
Aliphatics >C6-C8	<10 µg/kg	TM089		57.7	113	383	178	149	109
Aliphatics >C8-C10	<10 µg/kg	TM089		160	821	828	2260	744	340
Aliphatics >C10-C12	<10 µg/kg	TM089		395	2250	1070	3290	1540	596
Aliphatics >C12-C16	<100 µg/kg	TM173		12100	20700	51300	393000	156000	38300
Aliphatics >C16-C21	<100 µg/kg	TM173		16400	27800	92800	338000	149000	48700
Aliphatics >C21-C35	<100 µg/kg	TM173		40400	70200	187000	746000	395000	123000
Aliphatics >C35-C44	<100 µg/kg	TM173		10200	18800	64500	261000	149000	37500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		79100	137000	396000	1740000	849000	248000
Aromatics >EC5-EC7	<10 µg/kg	TM089		108	<10	<10	17.6	11.1	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		14.4	<10	<10	235	45.5	241
Aromatics >EC8-EC10	<10 µg/kg	TM089		115	547	553	1510	496	231
Aromatics >EC10-EC12	<10 µg/kg	TM089		264	1500	715	2200	1030	396
Aromatics >EC12-EC16	<100 µg/kg	TM173		3620	9880	15300	142000	47800	10400
Aromatics >EC16-EC21	<100 µg/kg	TM173		10900	22500	66200	268000	91900	29700
Aromatics >EC21-EC35	<100 µg/kg	TM173		47900	93800	234000	393000	228000	112000
Aromatics >EC35-EC44	<100 µg/kg	TM173		20500	44100	118000	153000	101000	46600
Aromatics >EC40-EC44	<100 µg/kg	TM173		7890	15000	46700	59000	38100	17600
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		82900	170000	434000	955000	469000	199000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		163000	313000	833000	2700000	1320000	448000

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13
			Depth (m)	0.30	1.40	2.40	3.30	4.20	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281421	8281423	8281425	8281427	8281429	8281431
			AGS Reference						
Dibromofluoromethane**	%	TM116		99.3	103	102	102	102	104
Toluene-d8**	%	TM116		99.4	102	103	88.3	102	92.9
4-Bromofluorobenzene**	%	TM116		111	105	99.7	123	114	113
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		246 M	213 M	<100 M	<100 M	<100 M	222 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13
			Depth (m)	0.30	1.40	2.40	3.30	4.20	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281421	8281423	8281425	8281427	8281429	8281431
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<5 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13
			Depth (m)	0.30	1.40	2.40	3.30	4.20	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281421	8281423	8281425	8281427	8281429	8281431
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14
			Depth (m)	0.20	1.10	2.30	3.10	4.20	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281434	8281435	8281436	8281438	8281440	8281442
			AGS Reference						
Dibromofluoromethane**	%	TM116		100	103	100	101	103	102
Toluene-d8**	%	TM116		116	102	104	115	107	99.7
4-Bromofluorobenzene**	%	TM116		118	122	144	111	101	120
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		174 M	<100 M	<100 M	<100 M	218 M	938 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14
			Depth (m)	0.20	1.10	2.30	3.10	4.20	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8281434	8281435	8281436	8281438	8281440	8281442
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14	NCA 14
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.	Depth (m)	0.20	1.10	2.30	3.10	4.20	5.00
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	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
*	Subcontracted test.	Sample Time	.	.	.	.	.	.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
		SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
(F)	Trigger breach confirmed	Lab Sample No.(s)	8281434	8281435	8281436	8281438	8281440	8281442
1-4&+§@	Sample deviation (see appendix)	AGS Reference						
Component	**LOD/Units**	**Method**						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116	<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15
			Depth (m)	0.30	0.90	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282757	8282759	8282760	8282763	8282765	8282766
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	101	107	105	102	108
Toluene-d8**	%	TM116		84.4	100	98.8	102	105	99.9
4-Bromofluorobenzene**	%	TM116		91.9	105	130	101	99.7	101
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	191 M	191 M	225 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15
			Depth (m)	0.30	0.90	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282757	8282759	8282760	8282763	8282765	8282766
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15
			Depth (m)	0.30	0.90	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282757	8282759	8282760	8282763	8282765	8282766
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16
			Depth (m)	0.40	1.20	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282768	8282769	8282770	8282772	8282775	8282776
			AGS Reference						
Dibromofluoromethane**	%	TM116		109	105	100	110	108	108
Toluene-d8**	%	TM116		118	94.2	113	101	100	119
4-Bromofluorobenzene**	%	TM116		90.8	99.2	91.7	112	115	85.6
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	446 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16
			Depth (m)	0.40	1.20	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282768	8282769	8282770	8282772	8282775	8282776
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16	NCA 16
			Depth (m)	0.40	1.20	2.20	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282768	8282769	8282770	8282772	8282775	8282776
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17
			Depth (m)	0.30	1.00	2.30	3.20	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282172	8282174	8282176	8282177	8282178	8282180
			AGS Reference						
Dibromofluoromethane**	%	TM116		98.1	94.6	98.7	102	98.1	97.6
Toluene-d8**	%	TM116		90.8	89.2	91.5	100	89.3	91.2
4-Bromofluorobenzene**	%	TM116		99.4	115	98.9	106	107	99.7
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	1980 M	371 M	345 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17
			Depth (m)	0.30	1.00	2.30	3.20	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282172	8282174	8282176	8282177	8282178	8282180
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17
			Depth (m)	0.30	1.00	2.30	3.20	4.00	5.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013	17/10/2013
			SDG Ref	131017-48	131017-48	131017-48	131017-48	131017-48	131017-48
			Lab Sample No.(s)	8282172	8282174	8282176	8282177	8282178	8282180
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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	NCA 13 0.30 SOLID 15/10/2013 00:00:00 131017-48 8281421 TM048	25/10/13	Laura Robbins	Loose fibres in soil	Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 13 1.40 SOLID 15/10/2013 00:00:00 131017-48 8281423 TM048	24/10/13	Simon Postlewhite	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	NCA 13 2.40 SOLID 15/10/2013 00:00:00 131017-48 8281425 TM048	24/10/13	Simon Postlewhite	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	NCA 13 3.30 SOLID 15/10/2013 00:00:00 131017-48 8281427 TM048	24/10/13	Simon Postlewhite	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	NCA 13 4.20 SOLID 15/10/2013 00:00:00 131017-48 8281429 TM048	24/10/13	Simon Postlewhite	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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	NCA 13 5.10 SOLID 15/10/2013 00:00:00 131017-48 8281431 TM048	24/10/13	Simon Postlewhite	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	NCA 14 0.20 SOLID 15/10/2013 00:00:00 131017-48 8281434 TM048	25/10/13	Paul Fenney	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	NCA 14 1.10 SOLID 15/10/2013 00:00:00 131017-48 8281435 TM048	25/10/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 14 2.30 SOLID 15/10/2013 00:00:00 131017-48 8281436 TM048	25/10/13	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	NCA 14 3.10 SOLID 15/10/2013 00:00:00 131017-48 8281438 TM048	25/10/13	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	NCA 14 4.20 SOLID 15/10/2013 00:00:00 131017-48 8281440 TM048	25/10/13	Lauren Sargeant	Soil containing typical asbestos bitumen	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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	NCA 14 5.00 SOLID 15/10/2013 00:00:00 131017-48 8281442 TM048	24/10/13	Paul Poynton	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 15 0.30 SOLID 15/10/2013 00:00:00 131017-48 8282757 TM048	24/10/13	Simon Postlewhite	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	NCA 15 0.90 SOLID 15/10/2013 00:00:00 131017-48 8282759 TM048	24/10/13	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 15 2.20 SOLID 15/10/2013 00:00:00 131017-48 8282760 TM048	24/10/13	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 15 3.10 SOLID 15/10/2013 00:00:00 131017-48 8282763 TM048	25/10/13	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	NCA 15 4.00 SOLID 15/10/2013 00:00:00 131017-48 8282765 TM048	25/10/13	Paul Fenney	Soil containing loose fibres and ACM debris	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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	NCA 15 5.20 SOLID 15/10/2013 00:00:00 131017-48 8282766 TM048	25/10/13	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	NCA 16 0.40 SOLID 15/10/2013 00:00:00 131017-48 8282768 TM048	25/10/13	Paul Fenney	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 16 1.20 SOLID 15/10/2013 00:00:00 131017-48 8282769 TM048	25/10/13	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	NCA 16 2.20 SOLID 15/10/2013 00:00:00 131017-48 8282770 TM048	25/10/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 16 3.10 SOLID 15/10/2013 00:00:00 131017-48 8282772 TM048	25/10/13	Paul Fenney	Soil containing ACM debris	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 16 4.00 SOLID 15/10/2013 00:00:00 131017-48 8282775 TM048	25/10/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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	NCA 16 5.20 SOLID 15/10/2013 00:00:00 131017-48 8282776 TM048	24/10/13	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 17 0.30 SOLID 15/10/2013 00:00:00 131017-48 8282172 TM048	24/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 17 1.00 SOLID 15/10/2013 00:00:00 131017-48 8282174 TM048	25/10/13	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	NCA 17 2.30 SOLID 15/10/2013 00:00:00 131017-48 8282176 TM048	24/10/13	Chris Swindells	oose 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	NCA 17 3.20 SOLID 15/10/2013 00:00:00 131017-48 8282177 TM048	24/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 17 4.00 SOLID 15/10/2013 00:00:00 131017-48 8282178 TM048	24/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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	NCA 17 5.00 SOLID 15/10/2013 00:00:00 131017-48 8282180 TM048	24/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8281421	8281423	8281425	8281427	8281429	8281431	8281434	8281435	8281436	8281438
Customer Sample Ref.	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 13	NCA 14	NCA 14	NCA 14	NCA 14
AGS Ref.										
Depth	0.30	1.40	2.40	3.30	4.20	5.10	0.20	1.10	2.30	3.10
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
EPH CWG (Aliphatic) GC (S)	23-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013
EPH CWG (Aromatic) GC (S)	23-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013
GRO by GC-FID (S)	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	23-Oct-2013	23-Oct-2013
Metals in solid samples by OES	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
pH	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013
Sample description	19-Oct-2013	19-Oct-2013	19-Oct-2013	19-Oct-2013	19-Oct-2013	19-Oct-2013	18-Oct-2013	18-Oct-2013	20-Oct-2013	20-Oct-2013
Semi Volatile Organic Compounds	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013
Total Organic Carbon	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
TPH CWG GC (S)	23-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013
VOC MS (S)	22-Oct-2013	22-Oct-2013	21-Oct-2013	21-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013

Lab Sample No(s)	8281440	8281442	8282757	8282759	8282760	8282763	8282765	8282766	8282768	8282769
Customer Sample Ref.	NCA 14	NCA 14	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 15	NCA 16	NCA 16
AGS Ref.										
Depth	4.20	5.00	0.30	0.90	2.20	3.10	4.00	5.20	0.40	1.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
EPH CWG (Aliphatic) GC (S)	23-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013
EPH CWG (Aromatic) GC (S)	23-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013
GRO by GC-FID (S)	23-Oct-2013	23-Oct-2013	20-Oct-2013	22-Oct-2013	20-Oct-2013	20-Oct-2013	23-Oct-2013	23-Oct-2013	22-Oct-2013	22-Oct-2013
Metals in solid samples by OES	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
pH	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	22-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013
Sample description	20-Oct-2013	20-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	18-Oct-2013	20-Oct-2013	20-Oct-2013	19-Oct-2013	19-Oct-2013
Semi Volatile Organic Compounds	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013
Total Organic Carbon	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
TPH CWG GC (S)	23-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013
VOC MS (S)	22-Oct-2013	22-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013

Lab Sample No(s)	8282770	8282772	8282775	8282776	8282172	8282174	8282176	8282177	8282178	8282180
Customer Sample Ref.	NCA 16	NCA 16	NCA 16	NCA 16	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17	NCA 17
AGS Ref.										
Depth	2.20	3.10	4.00	5.20	0.30	1.00	2.30	3.20	4.00	5.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	24-Oct-2013	25-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013
EPH CWG (Aliphatic) GC (S)	24-Oct-2013	24-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013
EPH CWG (Aromatic) GC (S)	24-Oct-2013	24-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013
GRO by GC-FID (S)	22-Oct-2013	22-Oct-2013	22-Oct-2013	23-Oct-2013	22-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013
Metals in solid samples by OES	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013
pH	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	24-Oct-2013	23-Oct-2013	24-Oct-2013	22-Oct-2013	23-Oct-2013	24-Oct-2013
Sample description	19-Oct-2013	19-Oct-2013	19-Oct-2013	19-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013	21-Oct-2013
Semi Volatile Organic Compounds	23-Oct-2013	23-Oct-2013	24-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013
Total Organic Carbon	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
TPH CWG GC (S)	24-Oct-2013	24-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	24-Oct-2013	24-Oct-2013	23-Oct-2013	23-Oct-2013
VOC MS (S)	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	22-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013	23-Oct-2013

SDG:	131017-48	**Location:**	Coed Darcy	**Order Number:**	CD0522
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	247467
Client Reference:	NCA	**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**
§	**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

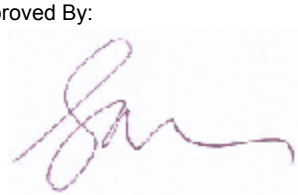
Date:	12 November 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	131107-62
Your Reference:	NCA
Location:	Coed Darcy
Report No:	249521

We received 34 samples on Thursday November 07, 2013 and 34 of these samples were scheduled for analysis which was completed on Tuesday November 12, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8386811	FILL 13			06/11/2013
8386812	FILL 14			06/11/2013
8386813	FILL 15			06/11/2013
8386815	FILL 16			06/11/2013
8386816	FILL 17			06/11/2013
8386817	FILL 23			06/11/2013
8386782	VAL 13B		0.60	06/11/2013
8386786	VAL 14B		0.60	06/11/2013
8386792	VAL 15B		0.60	06/11/2013
8386794	VAL 16B		0.60	06/11/2013
8386802	VAL 17B		0.60	06/11/2013
8386808	VAL 23B		0.60	06/11/2013
8388999	VAL 13B dup		0.60	06/11/2013
8389000	VAL 17B dup		0.60	06/11/2013
8389001	VAL 23B dup		0.60	06/11/2013
8386781	VAL 13E		0.50	06/11/2013
8386796	VAL 16E		0.20	06/11/2013
8386801	VAL 17E		0.40	06/11/2013
8386806	VAL 23E		0.20	06/11/2013
8386783	VAL 13N		0.40	06/11/2013
8386787	VAL 14N		0.40	06/11/2013
8386790	VAL 15N		0.30	06/11/2013
8386799	VAL 16N		0.50	06/11/2013
8386800	VAL 17N		0.20	06/11/2013
8386810	VAL 23N		0.30	06/11/2013
8386784	VAL 13S		0.30	06/11/2013
8386793	VAL 15S		0.40	06/11/2013
8386795	VAL 16S		0.30	06/11/2013
8386803	VAL 17S		0.30	06/11/2013
8386807	VAL 23S		0.30	06/11/2013
8386785	VAL 13W		0.20	06/11/2013
8386789	VAL 14W		0.20	06/11/2013
8386804	VAL 17W		0.20	06/11/2013
8386809	VAL 23W		0.30	06/11/2013

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

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
			8386811	FILL 13			250g Amber Jar (AL
			8386812	FILL 14			400g Tub (ALE214)
			8386813	FILL 15			60g VOC (ALE215)
			8386815	FILL 16			250g Amber Jar (AL
			8386816	FILL 17			400g Tub (ALE214)
			8386817	FILL 23			60g VOC (ALE215)
			8386782	VAL 13B		0.60	250g Amber Jar (AL
			8386786	VAL 14B		0.60	400g Tub (ALE214)
			8386792	VAL 15B		0.60	60g VOC (ALE215)
			8386794	VAL 16B		0.60	250g Amber Jar (AL
			8386802	VAL 17B		0.60	400g Tub (ALE214)
			8386808	VAL 23B		0.60	60g VOC (ALE215)
			8388999	VAL 13B dup		0.60	250g Amber Jar (AL
			8389000	VAL 17B dup		0.60	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 34					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 34					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 34					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 34					
Metals in solid samples by OES	All	NDPs: 0 Tests: 34					
pH	All	NDPs: 0 Tests: 34					
Sample description	All	NDPs: 0 Tests: 34					
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 34					
Total Organic Carbon	All	NDPs: 0 Tests: 34					
TPH CWG GC (S)	All	NDPs: 0 Tests: 34					
VOC MS (S)	All	NDPs: 0 Tests: 34					

ALcontrol Laboratories

CERTIFICATE OF ANALYSIS

Validated

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			8389000		8389001			8386781			8386796			8386801			8386806			8386783			8386787			8386790			8386799			8386800			8386810			8386784			8386793	
Customer Sample Reference			VAL 17B dup		VAL 23B dup			VAL 13E			VAL 16E			VAL 17E			VAL 23E			VAL 13N			VAL 14N			VAL 15N			VAL 16N			VAL 17N			VAL 23N			VAL 13S			VAL 15S	
AGS Reference																																											
Depth (m)			0.60		0.60			0.50			0.20			0.40			0.20			0.40			0.40			0.30			0.50			0.20			0.30			0.30			0.40	
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: 34	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 34			X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 34			X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 34		X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 34			X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 34	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 34			X			X			X			X			X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 34			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			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 34			X			X			X			X			X			X			X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 34		X			X			X			X			X			X			X			X			X			X			X			X			X		

15:07:18 12/11/2013

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

		Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 34				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 34				
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 34				
GRO by GC-FID (S)	All	NDPs: 0 Tests: 34				
Metals in solid samples by OES	All	NDPs: 0 Tests: 34				
pH	All	NDPs: 0 Tests: 34				
Sample description	All	NDPs: 0 Tests: 34				
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 34				
Total Organic Carbon	All	NDPs: 0 Tests: 34				
TPH CWG GC (S)	All	NDPs: 0 Tests: 34				
VOC MS (S)	All	NDPs: 0 Tests: 34				

Lab Sample No(s)	Customer Sample Reference	Depth (m)	Container	Asbestos ID in Solid Samples	EPH CWG (Aliphatic) GC (S)	EPH CWG (Aromatic) GC (S)	GRO by GC-FID (S)	Metals in solid samples by OES	pH	Sample description	Semi Volatile Organic Compounds	Total Organic Carbon	TPH CWG GC (S)	VOC MS (S)
8386793	VAL 15S	0.40	60g VOC (ALE215)				X							X
			250g Amber Jar (AL	X	X	X		X	X	X	X	X	X	
			400g Tub (ALE214)											
8386795	VAL 16S	0.30	60g VOC (ALE215)				X							X
			250g Amber Jar (AL	X	X	X		X	X	X	X	X	X	
			400g Tub (ALE214)											
8386803	VAL 17S	0.30	60g VOC (ALE215)				X							X
			250g Amber Jar (AL	X	X	X		X	X	X	X	X	X	
			400g Tub (ALE214)											
8386807	VAL 23S	0.30	60g VOC (ALE215)				X							X
			250g Amber Jar (AL	X	X	X		X	X	X	X	X	X	
			400g Tub (ALE214)											
8386785	VAL 13W	0.20	60g VOC (ALE215)				X							X
			250g Amber Jar (AL	X	X	X		X	X	X	X	X	X	
			400g Tub (ALE214)											
8386789	VAL 14W	0.20	60g VOC (ALE215)				X							X
			250g Amber Jar (AL	X	X	X		X	X	X	X	X	X	
			400g Tub (ALE214)											
8386804	VAL 17W	0.20	60g VOC (ALE215)				X							X
			250g Amber Jar (AL	X	X	X		X	X	X	X	X	X	
			400g Tub (ALE214)											
8386809	VAL 23W	0.30	60g VOC (ALE215)				X							X
			250g Amber Jar (AL	X	X	X		X	X	X	X	X	X	
			400g Tub (ALE214)											

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
8386811	FILL 13		Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386812	FILL 14		Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8386813	FILL 15		Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8386815	FILL 16		Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8386816	FILL 17		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386817	FILL 23		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386782	VAL 13B	0.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386786	VAL 14B	0.60	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8386792	VAL 15B	0.60	Dark Brown	Silty Sand	0.1 - 2 mm	Stones	N/A
8386794	VAL 16B	0.60	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
8386802	VAL 17B	0.60	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386808	VAL 23B	0.60	Dark Brown	Stone/Soil	0.1 - 2 mm	Stones	None
8388999	VAL 13B dup	0.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8389000	VAL 17B dup	0.60	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8389001	VAL 23B dup	0.60	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386781	VAL 13E	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386796	VAL 16E	0.20	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386801	VAL 17E	0.40	Dark Brown	Stone/Soil	> 10 mm	Stones	Vegetation
8386806	VAL 23E	0.20	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386783	VAL 13N	0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386787	VAL 14N	0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386790	VAL 15N	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386799	VAL 16N	0.50	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386800	VAL 17N	0.20	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386810	VAL 23N	0.30	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386784	VAL 13S	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386793	VAL 15S	0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386795	VAL 16S	0.30	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
8386803	VAL 17S	0.30	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386807	VAL 23S	0.30	Dark Brown	Stone/Soil	> 10 mm	Stones	None
8386785	VAL 13W	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8386789	VAL 14W	0.20	Dark Brown	Silty Sand	0.1 - 2 mm	Stones	N/A
8386804	VAL 17W	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8386809	VAL 23W	0.30	Dark Brown	Stone/Soil	> 10 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	FILL 13	FILL 14	FILL 15	FILL 16	FILL 17	FILL 23
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386811	8386812	8386813	8386815	8386816	8386817
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		0.495 #	1.46 #	1.65 #	0.71 #	1.68 #	0.846 #
pH	1 pH Units	TM133		8.33 #	10 M	8.25 M	8.52 M	8.5 M	9.2 M
Arsenic	<0.6 mg/kg	TM181		2.56 #	6.88 M	4.22 M	5.93 M	5.04 M	6.89 M
Cadmium	<0.02 mg/kg	TM181		0.462 #	0.678 M	0.615 M	0.578 M	0.424 M	0.373 M
Chromium	<0.9 mg/kg	TM181		15.6 #	50 M	14.6 M	14.7 M	11.6 M	14 M
Copper	<1.4 mg/kg	TM181		4.66 #	12.6 M	8.94 M	49.5 M	9.87 M	6.87 M
Lead	<0.7 mg/kg	TM181		11.2 #	16.6 M	15.1 M	18 M	11.8 M	9.84 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		34.2 #	31.8 M	38.6 M	32.3 M	32.2 M	27.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.8 #	40.2 #	12.8 #	14.6 #	9.6 #	11 #
Zinc	<1.9 mg/kg	TM181		74.6 #	73.9 M	82.9 M	78.9 M	72.2 M	54.8 M

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 13B	VAL 14B	VAL 15B	VAL 16B	VAL 17B	VAL 23B
			Depth (m)	0.60	0.60	0.60	0.60	0.60	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386782	8386786	8386792	8386794	8386802	8386808
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.7 #	3 #	1.9	2.38 #	1.66 #	0.991 #
pH	1 pH Units	TM133		8.08 M	8.53 M	8.39 M	7.35 M	8.11 #	8.28 #
Arsenic	<0.6 mg/kg	TM181		4.98 M	192 M	12.5 M	20.1 M	3.55 #	4.43 #
Cadmium	<0.02 mg/kg	TM181		0.67 M	0.604 M	0.638 M	1.05 M	0.333 #	0.491 #
Chromium	<0.9 mg/kg	TM181		14.8 M	11.6 M	15.5 M	13.7 M	14.1 #	14 #
Copper	<1.4 mg/kg	TM181		10.2 M	31.4 M	23.1 M	45.9 M	5.08 #	7.28 #
Lead	<0.7 mg/kg	TM181		17.2 M	60.9 M	35.4 M	31.6 M	10 #	11.4 #
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.532 M	0.57 M	0.14 M	<0.14 #	<0.14 #
Nickel	<0.2 mg/kg	TM181		39.5 M	24.9 M	26.2 M	24.3 M	32.7 #	32.8 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.4 #	15.1 #	15.2	18 #	10.7 #	11.8 #
Zinc	<1.9 mg/kg	TM181		89.9 M	150 M	119 M	112 M	72.1 #	151 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 13B dup	VAL 17B dup	VAL 23B dup	VAL 13E	VAL 16E	VAL 17E
			Depth (m)	0.60	0.60	0.60	0.50	0.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8388999	8389000	8389001	8386781	8386796	8386801
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.19 #	1.07 #	2.67 #	2.76 #	1.62 #	0.672 #
pH	1 pH Units	TM133		8.26 M	8.02 #	8.14 #	8.06 M	7.98 #	8.59 #
Arsenic	<0.6 mg/kg	TM181		10.8 M	8.37 #	5.14 #	4.72 M	8.59 #	8.21 #
Cadmium	<0.02 mg/kg	TM181		0.712 M	0.42 #	0.716 #	0.371 M	0.7 #	0.65 #
Chromium	<0.9 mg/kg	TM181		15.2 M	8.86 #	17.5 #	13.2 M	16.4 #	15.2 #
Copper	<1.4 mg/kg	TM181		32.3 M	15.6 #	10.4 #	8.75 M	18 #	20.1 #
Lead	<0.7 mg/kg	TM181		28.3 M	25.8 #	11.5 #	11.9 M	24.1 #	24.7 #
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.303 #	<0.14 #	<0.14 M	<0.14 #	<0.14 #
Nickel	<0.2 mg/kg	TM181		38.1 M	16.1 #	38.8 #	28.8 M	35.3 #	31.1 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.2 #	11.2 #	16.6 #	10.7 #	17.1 #	15.5 #
Zinc	<1.9 mg/kg	TM181		102 M	73.9 #	80.4 #	63.6 M	90.3 #	110 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 23E	VAL 13N	VAL 14N	VAL 15N	VAL 16N	VAL 17N
			Depth (m)	0.20	0.40	0.40	0.30	0.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386806	8386783	8386787	8386790	8386799	8386800
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.26 #	3.84 #	1.68 #	2.1 #	1.78 #	0.974 #
pH	1 pH Units	TM133		8.13 #	8.35 M	8.58 M	8.84 M	8.96 #	8.36 #
Arsenic	<0.6 mg/kg	TM181		4.6 #	17.6 M	7.21 M	13.6 M	4.18 #	5.31 #
Cadmium	<0.02 mg/kg	TM181		0.569 #	1.02 M	0.605 M	1.12 M	0.487 #	0.45 #
Chromium	<0.9 mg/kg	TM181		15.6 #	20.5 M	12.7 M	14.9 M	14 #	9.9 #
Copper	<1.4 mg/kg	TM181		7.4 #	45.5 M	23.1 M	28.5 M	7.32 #	10.2 #
Lead	<0.7 mg/kg	TM181		12.4 #	78.4 M	31.7 M	114 M	18.6 #	18 #
Mercury	<0.14 mg/kg	TM181		<0.14 #	0.335 M	<0.14 M	0.213 M	<0.14 #	<0.14 #
Nickel	<0.2 mg/kg	TM181		34.7 #	31.5 M	28.5 M	28.5 M	26.5 #	18.9 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.5 #	21.5 #	13 #	15.8 #	12.7 #	10.3 #
Zinc	<1.9 mg/kg	TM181		70.6 #	232 M	123 M	147 M	80.9 #	63.1 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 23N	VAL 13S	VAL 15S	VAL 16S	VAL 17S	VAL 23S
			Depth (m)	0.30	0.30	0.40	0.30	0.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386810	8386784	8386793	8386795	8386803	8386807
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.67 #	1.05 #	1.14 #	1.81 #	1.34 #	0.959 #
pH	1 pH Units	TM133		8.62 #	7.49 M	8.16 M	8.39 M	8.31 #	8.36 #
Arsenic	<0.6 mg/kg	TM181		7.75 #	4.75 M	10.2 M	8.31 M	7.83 #	4.7 #
Cadmium	<0.02 mg/kg	TM181		0.718 #	0.521 M	0.628 M	0.597 M	0.558 #	0.564 #
Chromium	<0.9 mg/kg	TM181		16.8 #	13.6 M	22.7 M	14.6 M	15.1 #	15.7 #
Copper	<1.4 mg/kg	TM181		13.7 #	8.53 M	20 M	16.9 M	13.4 #	7.96 #
Lead	<0.7 mg/kg	TM181		20.4 #	20.4 M	32.4 M	23.9 M	19 #	15.5 #
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 M	0.153 M	0.214 M	<0.14 #	<0.14 #
Nickel	<0.2 mg/kg	TM181		43 #	30.1 M	27.2 M	32.5 M	34.1 #	34.9 #
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.8 #	12.8 #	20.6 #	14 #	13.8 #	14.7 #
Zinc	<1.9 mg/kg	TM181		89.8 #	68.6 M	114 M	122 M	80.3 #	80.2 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 13W	VAL 14W	VAL 17W	VAL 23W		
			Depth (m)	0.20	0.20	0.20	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013		
			Sample Time	.	.	.	.		
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013		
			SDG Ref	131107-62	131107-62	131107-62	131107-62		
			Lab Sample No.(s)	8386785	8386789	8386804	8386809		
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.27 #	1.72	2.12 #	1.33 #		
pH	1 pH Units	TM133		8.09 M	8.3 M	8.44 M	8.45 #		
Arsenic	<0.6 mg/kg	TM181		3.7 M	6.15 M	8.19 M	5.07 #		
Cadmium	<0.02 mg/kg	TM181		0.456 M	0.622 M	0.654 M	0.558 #		
Chromium	<0.9 mg/kg	TM181		13.8 M	14.7 M	17.5 M	15.6 #		
Copper	<1.4 mg/kg	TM181		5.07 M	10.1 M	21.6 M	8.15 #		
Lead	<0.7 mg/kg	TM181		11.1 M	16.3 M	20.8 M	15.1 #		
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 #		
Nickel	<0.2 mg/kg	TM181		32.4 M	35.5 M	35.2 M	35.4 #		
Selenium	<1 mg/kg	TM181		<1 #	<1	<1 #	<1 #		
Vanadium	<0.2 mg/kg	TM181		11.7 #	14	16.3 #	13.1 #		
Zinc	<1.9 mg/kg	TM181		66 M	81.1 M	89.6 M	80.2 #		

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	FILL 13	FILL 14	FILL 15	FILL 16	FILL 17	FILL 23
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386811	8386812	8386813	8386815	8386816	8386817
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	FILL 13	FILL 14	FILL 15	FILL 16	FILL 17	FILL 23
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386811	8386812	8386813	8386815	8386816	8386817
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	146	522	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	179	513	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	129	426	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	170	602	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	109	368	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	218	651	<100	<100
Fluoranthene	<100 µg/kg	TM157		<100	<100	223	835	<100	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	323	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	202	330	<100	<100
Pyrene	<100 µg/kg	TM157		<100	<100	214	761	<100	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B	VAL 14B	VAL 15B	VAL 16B	VAL 17B	VAL 23B
			Depth (m)	0.60	0.60	0.60	0.60	0.60	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386782	8386786	8386792	8386794	8386802	8386808
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	149	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B	VAL 14B	VAL 15B	VAL 16B	VAL 17B	VAL 23B
			Depth (m)	0.60	0.60	0.60	0.60	0.60	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386782	8386786	8386792	8386794	8386802	8386808
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	218	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	186	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	231	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	961	246	166	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	1000	274	167	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	718	202	130	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	1010	247	174	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	569	157	153	<100	<100
Chrysene	<100 µg/kg	TM157		<100	1060	435	275	<100	<100
Fluoranthene	<100 µg/kg	TM157		<100	1330	333	199	<100	<100
Fluorene	<100 µg/kg	TM157		<100	311	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	545	144	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	807	289	157	<100	<100
Pyrene	<100 µg/kg	TM157		<100	1200	332	213	<100	<100
Naphthalene	<100 µg/kg	TM157		<100	137	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	191	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B dup	VAL 17B dup	VAL 23B dup	VAL 13E	VAL 16E	VAL 17E
			Depth (m)	0.60	0.60	0.60	0.50	0.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8388999	8389000	8389001	8386781	8386796	8386801
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B dup	VAL 17B dup	VAL 23B dup	VAL 13E	VAL 16E	VAL 17E
			Depth (m)	0.60	0.60	0.60	0.50	0.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8388999	8389000	8389001	8386781	8386796	8386801
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	107	<100	<100	125	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	148	<100	<100	142	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	113	<100	<100	115	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	144	<100	<100	172	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		132	171	<100	<100	187	<100
Fluoranthene	<100 µg/kg	TM157		152	154	<100	<100	190	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		116	<100	<100	125	122	<100
Pyrene	<100 µg/kg	TM157		144	163	<100	<100	182	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 23E	VAL 13N	VAL 14N	VAL 15N	VAL 16N	VAL 17N
			Depth (m)	0.20	0.40	0.40	0.30	0.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386806	8386783	8386787	8386790	8386799	8386800
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 23E	VAL 13N	VAL 14N	VAL 15N	VAL 16N	VAL 17N
			Depth (m)	0.20	0.40	0.40	0.30	0.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386806	8386783	8386787	8386790	8386799	8386800
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	139	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	1450	163	303	390	225
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	1730	182	376	465	282
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	1220	140	272	359	208
Benzo(a)pyrene	<100 µg/kg	TM157		<100	1670	175	362	459	300
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	1030	118	285	274	186
Chrysene	<100 µg/kg	TM157		<100	1630	209	475	544	342
Fluoranthene	<100 µg/kg	TM157		<100	1660	257	374	582	287
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	983	<100	232	238	151
Phenanthrene	<100 µg/kg	TM157		120	611	178	236	296	175
Pyrene	<100 µg/kg	TM157		<100	1500	252	388	625	300
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	334	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 23N	VAL 13S	VAL 15S	VAL 16S	VAL 17S	VAL 23S
			Depth (m)	0.30	0.30	0.40	0.30	0.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386810	8386784	8386793	8386795	8386803	8386807
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 23N	VAL 13S	VAL 15S	VAL 16S	VAL 17S	VAL 23S
			Depth (m)	0.30	0.30	0.40	0.30	0.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386810	8386784	8386793	8386795	8386803	8386807
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	345	112	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	396	123	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	302	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	341	113	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	223	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	459	152	120	121
Fluoranthene	<100 µg/kg	TM157		<100	<100	530	149	<100	120
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	202	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	356	120	113	125
Pyrene	<100 µg/kg	TM157		<100	<100	548	151	115	119
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 13W	VAL 14W	VAL 17W	VAL 23W		
			Depth (m)	0.20	0.20	0.20	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013		
			Sample Time	.	.	.	.		
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013		
			SDG Ref	131107-62	131107-62	131107-62	131107-62		
			Lab Sample No.(s)	8386785	8386789	8386804	8386809		
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100		
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	VAL 13W	VAL 14W	VAL 17W	VAL 23W		
			Depth (m)	0.20	0.20	0.20	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013		
			Sample Time	.	.	.	.		
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013		
			SDG Ref	131107-62	131107-62	131107-62	131107-62		
			Lab Sample No.(s)	8386785	8386789	8386804	8386809		
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100		
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100		
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100		
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	117	129	<100		
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100		
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	129	<100		
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100		
Chrysene	<100 µg/kg	TM157		<100	144	195	124		
Fluoranthene	<100 µg/kg	TM157		<100	140	147	<100		
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100		
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100		
Phenanthrene	<100 µg/kg	TM157		<100	146	149	122		
Pyrene	<100 µg/kg	TM157		<100	151	147	<100		
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	FILL 13	FILL 14	FILL 15	FILL 16	FILL 17	FILL 23
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386811	8386812	8386813	8386815	8386816	8386817
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		72	81	78	34	63	64
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		384 #	432 M	206 M	399 M	431 M	425 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 #	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		6.27 #	12.1 M	3.17 M	4.34 M	10.4 M	11.6 M
Ethylbenzene	<3 µg/kg	TM089		<3 #	3.3 M	<3 M	<3 M	<3 M	3.16 M
m,p-Xylene	<6 µg/kg	TM089		7.32 #	12.1 M	6.33 M	14.1 M	15.6 M	18.9 M
o-Xylene	<3 µg/kg	TM089		<3 #	<3 M	<3 M	3.25 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	12.1	<9	17.4	15.6	18.9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	27.5	<24	<24	26	33.7
Aliphatics >C5-C6	<10 µg/kg	TM089		15.7	37.4	12.7	22.8	21.9	28.4
Aliphatics >C6-C8	<10 µg/kg	TM089		51.2	124	58	84.6	75.1	114
Aliphatics >C8-C10	<10 µg/kg	TM089		62.7	62.7	34.8	49.9	57.4	58.9
Aliphatics >C10-C12	<10 µg/kg	TM089		117	79.2	39	109	123	89.4
Aliphatics >C12-C16	<100 µg/kg	TM173		7410	21000	8460	10100	11000	6220
Aliphatics >C16-C21	<100 µg/kg	TM173		5410	41800	14300	18300	16300	11800
Aliphatics >C21-C35	<100 µg/kg	TM173		7380	67000	30000	66200	30000	30300
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	12200	2450	8720	2410	4880
Total Aliphatics >C12-C44	<100 µg/kg	TM173		20200	142000	55300	103000	59700	53100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	12.1	<10	<10	10.4	11.6
Aromatics >EC8-EC10	<10 µg/kg	TM089		51.2	58.3	31.7	53.1	58.4	63.1
Aromatics >EC10-EC12	<10 µg/kg	TM089		78.4	52.8	26.4	72.6	82.4	58.9
Aromatics >EC12-EC16	<100 µg/kg	TM173		2450	4010	2390	3220	2410	1820
Aromatics >EC16-EC21	<100 µg/kg	TM173		5600	18900	8060	11900	7940	6580
Aromatics >EC21-EC35	<100 µg/kg	TM173		12400	52000	32000	51200	29900	27600
Aromatics >EC35-EC44	<100 µg/kg	TM173		2610	18900	14800	25700	14800	14400
Aromatics >EC40-EC44	<100 µg/kg	TM173		111	7100	5690	10600	6060	5960
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		23100	93800	57200	92100	55000	50500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		43700	236000	113000	196000	115000	104000

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 13B	VAL 14B	VAL 15B	VAL 16B	VAL 17B	VAL 23B
			Depth (m)	0.60	0.60	0.60	0.60	0.60	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386782	8386786	8386792	8386794	8386802	8386808
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		61	67	66	115	92	79
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		247 M	6630 M	5930 M	1020 M	343 #	194 #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 #	<10 #
Toluene	<2 µg/kg	TM089		8.47 M	15.7 M	10.9 M	<2 M	7.2 #	6.32 #
Ethylbenzene	<3 µg/kg	TM089		4.24 M	<3 M	<3 M	<3 M	3.09 #	<3 #
m,p-Xylene	<6 µg/kg	TM089		12.7 M	15.7 M	<6 M	<6 M	11.3 #	12.6 #
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	4.12 #	<3 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		12.7	15.7	<9	<9	15.4	12.6
sum of detected BTEX by GC	<24 µg/kg	TM089		25.4	31.4	<24	<24	25.7	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		20.1	18.2	24.2	10.4	19.6	14.7
Aliphatics >C6-C8	<10 µg/kg	TM089		57.2	88.3	307	69.6	54.5	48.4
Aliphatics >C8-C10	<10 µg/kg	TM089		32.8	1310	1550	191	47.3	28.4
Aliphatics >C10-C12	<10 µg/kg	TM089		50.8	2580	1800	375	96.7	34.7
Aliphatics >C12-C16	<100 µg/kg	TM173		7310	241000	43700	77500	6950	3420
Aliphatics >C16-C21	<100 µg/kg	TM173		17900	190000	46300	92700	12200	6940
Aliphatics >C21-C35	<100 µg/kg	TM173		31700	550000	115000	105000	19300	11900
Aliphatics >C35-C44	<100 µg/kg	TM173		7500	140000	28300	36100	3750	2220
Total Aliphatics >C12-C44	<100 µg/kg	TM173		64400	1120000	234000	311000	42100	24500
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	15.7	10.9	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		41.3	891	1030	128	50.4	35.8
Aromatics >EC10-EC12	<10 µg/kg	TM089		33.9	1720	1200	249	64.8	23.2
Aromatics >EC12-EC16	<100 µg/kg	TM173		2240	78100	12800	31400	42800	696
Aromatics >EC16-EC21	<100 µg/kg	TM173		8130	124000	29100	69800	40000	4840
Aromatics >EC21-EC35	<100 µg/kg	TM173		25900	185000	92700	222000	18300	18800
Aromatics >EC35-EC44	<100 µg/kg	TM173		10400	78900	47400	172000	5760	8100
Aromatics >EC40-EC44	<100 µg/kg	TM173		4120	31300	19100	70900	2420	3250
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		46700	466000	182000	495000	107000	32400
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		111000	1590000	422000	807000	149000	57100

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 13B dup	VAL 17B dup	VAL 23B dup	VAL 13E	VAL 16E	VAL 17E
			Depth (m)	0.60	0.60	0.60	0.50	0.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8388999	8389000	8389001	8386781	8386796	8386801
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		69	82	63	42	46	44
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		2030 M	183 #	217 #	242 M	1060 #	219 #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 #	<5 #	<5 M	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 #	<10 #	<10 M	<10 #	<10 #
Toluene	<2 µg/kg	TM089		9.04 M	5.35 #	7.29 #	3.13 M	14 #	6.6 #
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 #	3.13 #	<3 M	<3 #	<3 #
m,p-Xylene	<6 µg/kg	TM089		17 M	10.7 #	13.5 #	10.4 M	8.64 #	6.6 #
o-Xylene	<3 µg/kg	TM089		<3 M	<3 #	<3 #	<3 M	14 #	<3 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		17	10.7	13.5	10.4	22.6	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		26	<24	<24	<24	36.6	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		36.2	13.9	20.8	16.7	16.2	16.5
Aliphatics >C6-C8	<10 µg/kg	TM089		172	47	65.6	63.6	89.6	56.1
Aliphatics >C8-C10	<10 µg/kg	TM089		293	31	31.3	33.4	212	40.7
Aliphatics >C10-C12	<10 µg/kg	TM089		782	28.9	30.2	52.2	339	38.5
Aliphatics >C12-C16	<100 µg/kg	TM173		14700	18800	2040	7260	23100	32800
Aliphatics >C16-C21	<100 µg/kg	TM173		29600	33300	4100	13700	36300	73000
Aliphatics >C21-C35	<100 µg/kg	TM173		32300	78500	6380	57000	77800	189000
Aliphatics >C35-C44	<100 µg/kg	TM173		7920	17500	596	23300	18800	23200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		84600	148000	13100	101000	156000	318000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	14	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		211	35.3	39.6	35.5	166	35.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		521	19.2	19.8	35.5	226	25.3
Aromatics >EC12-EC16	<100 µg/kg	TM173		13600	5320	521	12000	6940	2110
Aromatics >EC16-EC21	<100 µg/kg	TM173		11500	25100	2860	56400	21200	11300
Aromatics >EC21-EC35	<100 µg/kg	TM173		2880	90900	11700	205000	71300	46800
Aromatics >EC35-EC44	<100 µg/kg	TM173		206	37300	4750	53100	33100	17800
Aromatics >EC40-EC44	<100 µg/kg	TM173		<100	13700	1950	18800	12200	6990
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		28100	159000	19900	326000	133000	78000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		115000	307000	33200	428000	290000	396000

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 23E	VAL 13N	VAL 14N	VAL 15N	VAL 16N	VAL 17N
			Depth (m)	0.20	0.40	0.40	0.30	0.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386806	8386783	8386787	8386790	8386799	8386800
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		44	81	83	60	67	72
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		294 #	342 M	552 M	4370 M	843 #	1760 #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 M	<5 M	<5 M	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 #	<10 M	<10 M	<10 M	<10 #	<10 #
Toluene	<2 µg/kg	TM089		6.44 #	13.4 M	17.3 M	14.6 M	14.1 #	<2 #
Ethylbenzene	<3 µg/kg	TM089		<3 #	<3 M	4.33 M	<3 M	6.5 #	<3 #
m,p-Xylene	<6 µg/kg	TM089		9.66 #	13.4 M	20.6 M	6.72 M	18.4 #	<6 #
o-Xylene	<3 µg/kg	TM089		4.29 #	3.36 M	6.49 M	<3 M	17.3 #	<3 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		14	16.8	27.1	<9	35.7	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	30.2	48.7	<24	56.3	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		17.2	19	35.7	21.3	41.2	18.2
Aliphatics >C6-C8	<10 µg/kg	TM089		55.8	61.6	95.2	129	128	191
Aliphatics >C8-C10	<10 µg/kg	TM089		45.1	51.5	53	997	141	450
Aliphatics >C10-C12	<10 µg/kg	TM089		73	84	167	1520	225	477
Aliphatics >C12-C16	<100 µg/kg	TM173		6890	55700	9030	27900	26000	29500
Aliphatics >C16-C21	<100 µg/kg	TM173		19900	199000	23600	37500	57000	74600
Aliphatics >C21-C35	<100 µg/kg	TM173		49400	312000	64100	90400	102000	221000
Aliphatics >C35-C44	<100 µg/kg	TM173		5890	38300	9470	23100	33100	32300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		82100	605000	106000	179000	218000	358000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	13.4	17.3	14.6	14.1	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		46.1	52.6	66	672	135	301
Aromatics >EC10-EC12	<10 µg/kg	TM089		48.3	56	111	1020	151	318
Aromatics >EC12-EC16	<100 µg/kg	TM173		1640	18400	2110	7420	11200	12300
Aromatics >EC16-EC21	<100 µg/kg	TM173		10300	127000	12400	20000	49800	57800
Aromatics >EC21-EC35	<100 µg/kg	TM173		42500	260000	51600	78700	146000	258000
Aromatics >EC35-EC44	<100 µg/kg	TM173		16200	79300	25200	37000	82300	106000
Aromatics >EC40-EC44	<100 µg/kg	TM173		5770	31800	10400	13900	38200	42300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		70600	485000	91300	143000	289000	435000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		153000	1090000	198000	326000	508000	794000

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 23N	VAL 13S	VAL 15S	VAL 16S	VAL 17S	VAL 23S
			Depth (m)	0.30	0.30	0.40	0.30	0.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386810	8386784	8386793	8386795	8386803	8386807
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		70	33	98	27	55	50
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		369 #	107 M	5490 M	279 M	591 #	473 #
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 M	<5 M	<5 M	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 #	<10 M	<10 M	<10 M	<10 #	<10 #
Toluene	<2 µg/kg	TM089		6.44 #	7.47 M	30.2 M	7.7 M	6.44 #	5.3 #
Ethylbenzene	<3 µg/kg	TM089		3.22 #	<3 M	<3 M	<3 M	3.22 #	3.18 #
m,p-Xylene	<6 µg/kg	TM089		14 #	6.4 M	17.9 M	13.2 M	11.8 #	7.42 #
o-Xylene	<3 µg/kg	TM089		<3 #	<3 M	<3 M	<3 M	4.3 #	8.48 #
sum of detected mpo xylene by GC	<9 µg/kg	TM089		14	<9	17.9	13.2	16.1	15.9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	48.1	<24	25.8	24.4
Aliphatics >C5-C6	<10 µg/kg	TM089		25.8	11.7	42.6	18.7	29	18
Aliphatics >C6-C8	<10 µg/kg	TM089		99.9	40.5	244	78.1	84.8	58.3
Aliphatics >C8-C10	<10 µg/kg	TM089		58	14.9	1200	40.7	72	76.3
Aliphatics >C10-C12	<10 µg/kg	TM089		70.9	<10	1880	53.9	195	145
Aliphatics >C12-C16	<100 µg/kg	TM173		2950	11900	41000	19000	5880	6280
Aliphatics >C16-C21	<100 µg/kg	TM173		8580	35000	73500	34700	19200	16800
Aliphatics >C21-C35	<100 µg/kg	TM173		19200	76400	139000	62200	39100	43800
Aliphatics >C35-C44	<100 µg/kg	TM173		2180	14300	41400	23300	9160	4750
Total Aliphatics >C12-C44	<100 µg/kg	TM173		32900	138000	295000	139000	73400	71600
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	10.1	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	30.2	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		58	20.3	821	44	68.7	70
Aromatics >EC10-EC12	<10 µg/kg	TM089		47.3	<10	1260	36.3	130	96.5
Aromatics >EC12-EC16	<100 µg/kg	TM173		1100	2250	22600	6170	1260	1810
Aromatics >EC16-EC21	<100 µg/kg	TM173		6590	13300	55100	23900	10500	8490
Aromatics >EC21-EC35	<100 µg/kg	TM173		28000	55900	126000	80700	49000	37400
Aromatics >EC35-EC44	<100 µg/kg	TM173		11400	23700	69500	47400	20600	15200
Aromatics >EC40-EC44	<100 µg/kg	TM173		4360	9280	32000	21100	8150	5450
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		47100	95100	273000	158000	81300	62900
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		80400	233000	573000	298000	155000	135000

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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
1-4&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample R	VAL 13W	VAL 14W	VAL 17W	VAL 23W		
			Depth (m)	0.20	0.20	0.20	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013		
			Sample Time	.	.	.	.		
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013		
			SDG Ref	131107-62	131107-62	131107-62	131107-62		
			Lab Sample No.(s)	8386785	8386789	8386804	8386809		
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		11	45	55	65		
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		75.8 M	284 M	387 M	513 #		
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 #		
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 #		
Toluene	<2 µg/kg	TM089		5.27 M	5.4 M	9.99 M	16.9 #		
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	5.55 M	3.18 #		
m,p-Xylene	<6 µg/kg	TM089		<6 M	10.8 M	21.1 M	20.1 #		
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	4.44 M	3.18 #		
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	10.8	25.5	23.3		
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	41	43.4		
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	16.2	17.8	34.9		
Aliphatics >C6-C8	<10 µg/kg	TM089		19	63.7	62.2	125		
Aliphatics >C8-C10	<10 µg/kg	TM089		12.6	46.4	54.4	82.6		
Aliphatics >C10-C12	<10 µg/kg	TM089		11.6	63.7	104	98.5		
Aliphatics >C12-C16	<100 µg/kg	TM173		6460	8610	2540	3270		
Aliphatics >C16-C21	<100 µg/kg	TM173		22800	20800	11100	14600		
Aliphatics >C21-C35	<100 µg/kg	TM173		52900	55900	21200	85000		
Aliphatics >C35-C44	<100 µg/kg	TM173		7260	9710	1990	13100		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		89400	95000	36900	116000		
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	16.9		
Aromatics >EC8-EC10	<10 µg/kg	TM089		13.7	44.2	67.7	82.6		
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	42.1	68.8	65.7		
Aromatics >EC12-EC16	<100 µg/kg	TM173		1480	1890	1310	1240		
Aromatics >EC16-EC21	<100 µg/kg	TM173		9970	10100	8600	10500		
Aromatics >EC21-EC35	<100 µg/kg	TM173		50700	46600	46000	52900		
Aromatics >EC35-EC44	<100 µg/kg	TM173		21100	19800	18200	21600		
Aromatics >EC40-EC44	<100 µg/kg	TM173		8410	7820	6870	8440		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		83300	78400	74100	86200		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		173000	174000	111000	203000		

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	FILL 13	FILL 14	FILL 15	FILL 16	FILL 17	FILL 23
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386811	8386812	8386813	8386815	8386816	8386817
			AGS Reference						
Dibromofluoromethane**	%	TM116		97.7	101	97.3	100	100	100
Toluene-d8**	%	TM116		90.5	90.5	91.4	89.3	91.6	90.4
4-Bromofluorobenzene**	%	TM116		98.8	110	108	118	112	108
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 #	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 #	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 #	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	FILL 13	FILL 14	FILL 15	FILL 16	FILL 17	FILL 23
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386811	8386812	8386813	8386815	8386816	8386817
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 #	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 #	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	FILL 13	FILL 14	FILL 15	FILL 16	FILL 17	FILL 23
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386811	8386812	8386813	8386815	8386816	8386817
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B	VAL 14B	VAL 15B	VAL 16B	VAL 17B	VAL 23B
			Depth (m)	0.60	0.60	0.60	0.60	0.60	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386782	8386786	8386792	8386794	8386802	8386808
			AGS Reference						
Dibromofluoromethane**	%	TM116		100	98.3	100	96.9	102	99.7
Toluene-d8**	%	TM116		91.1	90.5	91.2	82.9	94.5	90.2
4-Bromofluorobenzene**	%	TM116		101	93	113	124	111	122
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<4 M	<80 #	<80 #
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<7	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<10	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 #	<260 #
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 #	<280 #
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 #	<120 #
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	10.7 M	<140 #	<140 #
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 #	<220 #
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 #	<220 #
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<8 M	<160 #	<160 #
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 #	<100 #
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 #	<240 #
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 #	<280 #
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<8 M	<160 #	<160 #
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 #	<140 #
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 #	<220 #
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 #	<280 #
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 #	<100 #
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 #	<180 #
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 #	<180 #
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 #	<240 #
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 #	<180 #
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 #	<140 #
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 #	<280 #
Toluene	<5 µg/kg	TM116		<100 M	159 M	<100 M	<5 M	<100 #	<100 #
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<100	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B	VAL 14B	VAL 15B	VAL 16B	VAL 17B	VAL 23B
			Depth (m)	0.60	0.60	0.60	0.60	0.60	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386782	8386786	8386792	8386794	8386802	8386808
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<7 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 #	<100 #
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 #	<260 #
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 #	<240 #
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 #	<100 #
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 #	<200 #
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<4 M	<80 #	<80 #
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<14 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 #	<200 #
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 #	<200 #
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 #	<200 #
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 #	<100 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<17 M	<340 #	<340 #
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 #	<200 #
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 #	<220 #
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 #	<180 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<8 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 #	<240 #
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<12 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<9 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 #	<200 #
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 #	<220 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 #	<120 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 #	<100 #
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 #	<200 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 #	<240 #
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 #	<280 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<15	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<6 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<12	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 #	<260 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B	VAL 14B	VAL 15B	VAL 16B	VAL 17B	VAL 23B
			Depth (m)	0.60	0.60	0.60	0.60	0.60	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386782	8386786	8386792	8386794	8386802	8386808
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 #	<120 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B dup	VAL 17B dup	VAL 23B dup	VAL 13E	VAL 16E	VAL 17E
			Depth (m)	0.60	0.60	0.60	0.50	0.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8388999	8389000	8389001	8386781	8386796	8386801
			AGS Reference						
Dibromofluoromethane**	%	TM116		98.3	97.8	98	97.1	100	99.6
Toluene-d8**	%	TM116		99.6	89.7	78.5	89	90.6	78.1
4-Bromofluorobenzene**	%	TM116		122	114	133	122	114	122
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 #	<80 #	<80 M	<80 #	<80 #
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 #	<260 #	<260 M	<260 #	<260 #
Chloroethane	<14 µg/kg	TM116		<280 M	<280 #	<280 #	<280 M	<280 #	<280 #
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 #	<120 #	<120 M	<120 #	<120 #
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 #	<140 #	<140 M	<140 #	<140 #
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 #	<220 #	<220 M	<220 #	<220 #
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 #	<220 #	<220 M	<220 #	<220 #
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 #	<160 #	<160 M	<160 #	<160 #
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 #	<100 #	<100 M	<100 #	<100 #
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 #	<240 #	<240 M	<240 #	<240 #
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 #	<280 #	<280 M	<280 #	<280 #
Chloroform	<8 µg/kg	TM116		<160 M	<160 #	<160 #	<160 M	<160 #	<160 #
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 #	<140 #	<140 M	<140 #	<140 #
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 #	<220 #	<220 M	<220 #	<220 #
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 #	<280 #	<280 M	<280 #	<280 #
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 #	<100 #	<100 M	<100 #	<100 #
Benzene	<9 µg/kg	TM116		<180 M	<180 #	<180 #	<180 M	<180 #	<180 #
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 #	<180 #	<180 M	<180 #	<180 #
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 #	<240 #	<240 M	<240 #	<240 #
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 #	<180 #	<180 M	<180 #	<180 #
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 #	<140 #	<140 M	<140 #	<140 #
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 #	<280 #	<280 M	<280 #	<280 #
Toluene	<5 µg/kg	TM116		<100 M	<100 #	<100 #	<100 M	<100 #	<100 #
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 #	<200 #	<200 M	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B dup	VAL 17B dup	VAL 23B dup	VAL 13E	VAL 16E	VAL 17E
			Depth (m)	0.60	0.60	0.60	0.50	0.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8388999	8389000	8389001	8386781	8386796	8386801
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 #	<100 #	<100 M	<100 #	<100 #
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 #	<260 #	<260 M	<260 #	<260 #
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 #	<240 #	<240 M	<240 #	<240 #
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 #	<100 M	<100 #	<100 #
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 #	<200 #	<200 M	<200 #	<200 #
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 #	<80 #	<80 M	<80 #	<80 #
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 #	<200 #	<200 M	<200 #	<200 #
Styrene	<10 µg/kg	TM116		<200 M	<200 #	<200 #	<200 M	<200 #	<200 #
Bromoform	<10 µg/kg	TM116		<200 M	<200 #	<200 #	<200 M	<200 #	<200 #
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 #	<100 M	<100 #	<100 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 #	<340 #	<340 M	<340 #	<340 #
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 #	<200 M	<200 #	<200 #
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 #	<220 #	<220 M	<220 #	<220 #
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 #	<180 #	<180 M	<180 #	<180 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 #	<240 #	<240 M	<240 #	<240 #
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 #	<200 M	<200 #	<200 #
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 #	<220 #	<220 M	<220 #	<220 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 #	<120 #	<120 M	<120 #	<120 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 #	<100 #	<100 M	<100 #	<100 #
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 #	<200 #	<200 M	<200 #	<200 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 #	<240 #	<240 M	<240 #	<240 #
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 #	<280 #	<280 M	<280 #	<280 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 #	<260 #	<260 M	<260 #	<260 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 13B dup	VAL 17B dup	VAL 23B dup	VAL 13E	VAL 16E	VAL 17E
			Depth (m)	0.60	0.60	0.60	0.50	0.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8388999	8389000	8389001	8386781	8386796	8386801
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 #	<120 #	<120 M	<120 #	<120 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	VAL 23E	VAL 13N	VAL 14N	VAL 15N	VAL 16N	VAL 17N
			Depth (m)	0.20	0.40	0.40	0.30	0.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386806	8386783	8386787	8386790	8386799	8386800
			AGS Reference						
Dibromofluoromethane**	%	TM116		99.8	99.8	104	100	99.1	102
Toluene-d8**	%	TM116		89.5	103	86.9	90.9	90.2	89.7
4-Bromofluorobenzene**	%	TM116		116	108	112	110	114	111
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 #	<80 M	<80 M	<80 M	<80 #	<80 #
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 #	<260 #
Chloroethane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 #	<280 #
Trichlorofluorormethane	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 #	<120 #
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 #	<140 #
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 #	<220 #
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 #	<220 #
1,1-Dichloroethane	<8 µg/kg	TM116		<160 #	<160 M	<160 M	<160 M	<160 #	<160 #
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 #	<100 #
2,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 #	<240 #
Bromochloromethane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 #	<280 #
Chloroform	<8 µg/kg	TM116		<160 #	<160 M	<160 M	<160 M	<160 #	<160 #
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 #	<140 #
1,1-Dichloropropene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 #	<220 #
Carbontetrachloride	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 #	<280 #
1,2-Dichloroethane	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 #	<100 #
Benzene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 #	<180 #
Trichloroethene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 #	<180 #
1,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 #	<240 #
Dibromomethane	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 #	<180 #
Bromodichloromethane	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 #	<140 #
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 #	<280 #
Toluene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 #	<100 #
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 23E	VAL 13N	VAL 14N	VAL 15N	VAL 16N	VAL 17N
			Depth (m)	0.20	0.40	0.40	0.30	0.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386806	8386783	8386787	8386790	8386799	8386800
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 #	<100 #
Dibromochloromethane	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 #	<260 #
1,2-Dibromoethane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 #	<240 #
Chlorobenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 #	<100 #
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 #	<200 #
Ethylbenzene	<4 µg/kg	TM116		<80 #	<80 M	<80 M	<80 M	<80 #	<80 #
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 #	<200 #
Styrene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 #	<200 #
Bromoform	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 #	<200 #
Isopropylbenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 #	<100 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 #	<340 M	<340 M	<340 M	<340 #	<340 #
Bromobenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 #	<200 #
Propylbenzene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 #	<220 #
2-Chlorotoluene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 #	<180 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 #	<240 #
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 #	<200 #
4-Isopropyltoluene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 #	<220 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 #	<120 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 #	<100 #
n-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 #	<200 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 #	<240 #
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 #	<280 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 #	<260 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 23E	VAL 13N	VAL 14N	VAL 15N	VAL 16N	VAL 17N
			Depth (m)	0.20	0.40	0.40	0.30	0.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386806	8386783	8386787	8386790	8386799	8386800
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 #	<120 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 23N	VAL 13S	VAL 15S	VAL 16S	VAL 17S	VAL 23S
			Depth (m)	0.30	0.30	0.40	0.30	0.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386810	8386784	8386793	8386795	8386803	8386807
			AGS Reference						
Dibromofluoromethane**	%	TM116		101	99.4	94.7	102	100	100
Toluene-d8**	%	TM116		88.9	95.3	87	94.9	89.8	88.7
4-Bromofluorobenzene**	%	TM116		117	111	128	114	114	96.3
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 #	<80 M	<4 M	<80 M	<80 #	<80 #
Chloromethane	<7 µg/kg	TM116		<140	<140	<7	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<10	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 #	<260 M	<13 M	<260 M	<260 #	<260 #
Chloroethane	<14 µg/kg	TM116		<280 #	<280 M	<14 M	<280 M	<280 #	<280 #
Trichlorofluorormethane	<6 µg/kg	TM116		<120 #	<120 M	<6 M	<120 M	<120 #	<120 #
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 #	<140 M	16.8 M	<140 M	<140 #	<140 #
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 #	<220 M	<11 M	<220 M	<220 #	<220 #
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 #	<220 M	<11 M	<220 M	<220 #	<220 #
1,1-Dichloroethane	<8 µg/kg	TM116		<160 #	<160 M	<8 M	<160 M	<160 #	<160 #
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 #	<100 M	<5 M	<100 M	<100 #	<100 #
2,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 M	<12 M	<240 M	<240 #	<240 #
Bromochloromethane	<14 µg/kg	TM116		<280 #	<280 M	<14 M	<280 M	<280 #	<280 #
Chloroform	<8 µg/kg	TM116		<160 #	<160 M	<8 M	<160 M	<160 #	<160 #
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 #	<140 M	<7 M	<140 M	<140 #	<140 #
1,1-Dichloropropene	<11 µg/kg	TM116		<220 #	<220 M	<11 M	<220 M	<220 #	<220 #
Carbontetrachloride	<14 µg/kg	TM116		<280 #	<280 M	<14 M	<280 M	<280 #	<280 #
1,2-Dichloroethane	<5 µg/kg	TM116		<100 #	<100 M	<5 M	<100 M	<100 #	<100 #
Benzene	<9 µg/kg	TM116		<180 #	<180 M	21.5 M	<180 M	<180 #	<180 #
Trichloroethene	<9 µg/kg	TM116		<180 #	<180 M	<9 M	<180 M	<180 #	<180 #
1,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 M	<12 M	<240 M	<240 #	<240 #
Dibromomethane	<9 µg/kg	TM116		<180 #	<180 M	<9 M	<180 M	<180 #	<180 #
Bromodichloromethane	<7 µg/kg	TM116		<140 #	<140 M	<7 M	<140 M	<140 #	<140 #
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 #	<280 M	<14 M	<280 M	<280 #	<280 #
Toluene	<5 µg/kg	TM116		<100 #	<100 M	63.5 M	<100 M	<100 #	<100 #
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<100	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 #	<200 M	<10 M	<200 M	<200 #	<200 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 23N	VAL 13S	VAL 15S	VAL 16S	VAL 17S	VAL 23S
			Depth (m)	0.30	0.30	0.40	0.30	0.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
			Sample Time	.	.	.	.	.	.
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
			SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
			Lab Sample No.(s)	8386810	8386784	8386793	8386795	8386803	8386807
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<7 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 #	<100 M	<5 M	<100 M	<100 #	<100 #
Dibromochloromethane	<13 µg/kg	TM116		<260 #	<260 M	<13 M	<260 M	<260 #	<260 #
1,2-Dibromoethane	<12 µg/kg	TM116		<240 #	<240 M	<12 M	<240 M	<240 #	<240 #
Chlorobenzene	<5 µg/kg	TM116		<100 #	<100 M	<5 M	<100 M	<100 #	<100 #
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 M	<10 M	<200 M	<200 #	<200 #
Ethylbenzene	<4 µg/kg	TM116		<80 #	<80 M	17.1 M	<80 M	<80 #	<80 #
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	82.2 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 #	<200 M	31.9 M	<200 M	<200 #	<200 #
Styrene	<10 µg/kg	TM116		<200 #	<200 M	<10 M	<200 M	<200 #	<200 #
Bromoform	<10 µg/kg	TM116		<200 #	<200 M	<10 M	<200 M	<200 #	<200 #
Isopropylbenzene	<5 µg/kg	TM116		<100 #	<100 M	25.7 M	<100 M	<100 #	<100 #
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<10 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 #	<340 M	<17 M	<340 M	<340 #	<340 #
Bromobenzene	<10 µg/kg	TM116		<200 #	<200 M	<10 M	<200 M	<200 #	<200 #
Propylbenzene	<11 µg/kg	TM116		<220 #	<220 M	55 M	<220 M	<220 #	<220 #
2-Chlorotoluene	<9 µg/kg	TM116		<180 #	<180 M	<9 M	<180 M	<180 #	<180 #
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	270 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 #	<240 M	<12 M	<240 M	<240 #	<240 #
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<12 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	1720 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 M	239 M	<200 M	<200 #	<200 #
4-Isopropyltoluene	<11 µg/kg	TM116		<220 #	<220 M	313 M	<220 M	<220 #	<220 #
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 #	<120 M	<6 M	<120 M	<120 #	<120 #
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 #	<100 M	<5 M	<100 M	<100 #	<100 #
n-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 M	353 M	<200 M	<200 #	<200 #
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 #	<240 M	<12 M	<240 M	<240 #	<240 #
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 #	<280 M	<14 M	<280 M	<280 #	<280 #
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<15	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<6 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<12	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 #	<260 M	<13 M	<260 M	<260 #	<260 #

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	VAL 23N	VAL 13S	VAL 15S	VAL 16S	VAL 17S	VAL 23S
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	0.30	0.30	0.40	0.30	0.30	0.30
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
*	Subcontracted test.	Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.	.	.	.
		Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013	07/11/2013
		SDG Ref	131107-62	131107-62	131107-62	131107-62	131107-62	131107-62
(F)	Trigger breach confirmed	Lab Sample No.(s)	8386810	8386784	8386793	8386795	8386803	8386807
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

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

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	VAL 13W	VAL 14W	VAL 17W	VAL 23W		
			Depth (m)	0.20	0.20	0.20	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013		
			Sample Time	.	.	.	.		
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013		
			SDG Ref	131107-62	131107-62	131107-62	131107-62		
			Lab Sample No.(s)	8386785	8386789	8386804	8386809		
			AGS Reference						
Dibromofluoromethane**	%	TM116		97.5	99.8	98.4	98.2		
Toluene-d8**	%	TM116		86.9	92.2	90	86.3		
4-Bromofluorobenzene**	%	TM116		142	116	113	117		
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 #		
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140		
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200		
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 #		
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 #		
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 #		
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #		
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 #		
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 #		
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 #		
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 #		
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 #		
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 #		
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 #		
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 #		
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 #		
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 #		
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 #		
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 #		
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 #		
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 #		
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 #		
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 #		
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 #		
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 #		
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 #		
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000		
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 #		

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 13W	VAL 14W	VAL 17W	VAL 23W		
			Depth (m)	0.20	0.20	0.20	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013		
			Sample Time	.	.	.	.		
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013		
			SDG Ref	131107-62	131107-62	131107-62	131107-62		
			Lab Sample No.(s)	8386785	8386789	8386804	8386809		
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #		
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 #		
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 #		
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 #		
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 #		
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 #		
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 #		
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #		
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 #		
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 #		
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 #		
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 #		
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #		
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 #		
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 #		
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 #		
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 #		
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #		
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 #		
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #		
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #		
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 #		
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 #		
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 #		
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 #		
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 #		
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 #		
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 #		
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300		
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #		
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240		
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 #		

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	VAL 13W	VAL 14W	VAL 17W	VAL 23W		
			Depth (m)	0.20	0.20	0.20	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	06/11/2013	06/11/2013	06/11/2013	06/11/2013		
			Sample Time	.	.	.	.		
			Date Received	07/11/2013	07/11/2013	07/11/2013	07/11/2013		
			SDG Ref	131107-62	131107-62	131107-62	131107-62		
			Lab Sample No.(s)	8386785	8386789	8386804	8386809		
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 #		

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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	FILL 13 SOLID 06/11/2013 00:00:00 131107-62 8386811 TM048	11/11/13	Simon Postlewhite	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	FILL 14 SOLID 06/11/2013 00:00:00 131107-62 8386812 TM048	11/11/2013	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	FILL 15 SOLID 06/11/2013 00:00:00 131107-62 8386813 TM048	11/11/2013	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	FILL 16 SOLID 06/11/2013 00:00:00 131107-62 8386815 TM048	11/11/2013	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	FILL 17 SOLID 06/11/2013 00:00:00 131107-62 8386816 TM048	11/11/2013	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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	FILL 23 SOLID 06/11/2013 00:00:00 131107-62 8386817 TM048	11/11/2013	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	VAL 13B 0.60 SOLID 06/11/2013 00:00:00 131107-62 8386782 TM048	11/11/13	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	VAL 14B 0.60 SOLID 06/11/2013 00:00:00 131107-62 8386786 TM048	11/11/13	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	VAL 15B 0.60 SOLID 06/11/2013 00:00:00 131107-62 8386792 TM048	11/11/2013	Kevin Bowron	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 16B 0.60 SOLID 06/11/2013 00:00:00 131107-62 8386794 TM048	11/11/13	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	VAL 17B 0.60 SOLID 06/11/2013 00:00:00 131107-62 8386802 TM048	11/11/13	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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	VAL 23B 0.60 SOLID 06/11/2013 00:00:00 131107-62 8386808 TM048	11/11/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 13B dup 0.60 SOLID 06/11/2013 00:00:00 131107-62 8388999 TM048	11/11/2013	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	VAL 17B dup 0.60 SOLID 06/11/2013 00:00:00 131107-62 8389000 TM048	11/11/13	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	VAL 23B dup 0.60 SOLID 06/11/2013 00:00:00 131107-62 8389001 TM048	11/11/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 13E 0.50 SOLID 06/11/2013 00:00:00 131107-62 8386781 TM048	11/11/13	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	VAL 16E 0.20 SOLID 06/11/2013 00:00:00 131107-62 8386796 TM048	11/11/13	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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	VAL 17E 0.40 SOLID 06/11/2013 00:00:00 131107-62 8386801 TM048	11/11/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 23E 0.20 SOLID 06/11/2013 00:00:00 131107-62 8386806 TM048	11/11/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 13N 0.40 SOLID 06/11/2013 00:00:00 131107-62 8386783 TM048	11/11/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 14N 0.40 SOLID 06/11/2013 00:00:00 131107-62 8386787 TM048	11/11/13	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 15N 0.30 SOLID 06/11/2013 00:00:00 131107-62 8386790 TM048	11/11/2013	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	VAL 16N 0.50 SOLID 06/11/2013 00:00:00 131107-62 8386799 TM048	11/11/13	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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	VAL 17N 0.20 SOLID 06/11/2013 00:00:00 131107-62 8386800 TM048	11/11/13	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	VAL 23N 0.30 SOLID 06/11/2013 00:00:00 131107-62 8386810 TM048	11/11/13	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	VAL 13S 0.30 SOLID 06/11/2013 00:00:00 131107-62 8386784 TM048	11/11/13	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	VAL 15S 0.40 SOLID 06/11/2013 00:00:00 131107-62 8386793 TM048	11/11/2013	Kevin Bowron	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 16S 0.30 SOLID 06/11/2013 00:00:00 131107-62 8386795 TM048	11/11/13	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	VAL 17S 0.30 SOLID 06/11/2013 00:00:00 131107-62 8386803 TM048	11/11/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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	VAL 23S 0.30 SOLID 06/11/2013 00:00:00 131107-62 8386807 TM048	11/11/13	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	VAL 13W 0.20 SOLID 06/11/2013 00:00:00 131107-62 8386785 TM048	11/11/13	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	VAL 14W 0.20 SOLID 06/11/2013 00:00:00 131107-62 8386789 TM048	11/11/2013	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	VAL 17W 0.20 SOLID 06/11/2013 00:00:00 131107-62 8386804 TM048	11/11/13	Paul Fenney	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	VAL 23W 0.30 SOLID 06/11/2013 00:00:00 131107-62 8386809 TM048	11/11/2013	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8386811	8386812	8386813	8386815	8386816	8386817	8386782	8386786	8386792	8386794
Customer Sample Ref.	FILL 13	FILL 14	FILL 15	FILL 16	FILL 17	FILL 23	VAL 13B	VAL 14B	VAL 15B	VAL 16B
AGS Ref.										
Depth							0.60	0.60	0.60	0.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
EPH CWG (Aliphatic) GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
EPH CWG (Aromatic) GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
GRO by GC-FID (S)	11-Nov-2013	11-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	11-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013
Metals in solid samples by OES	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
pH	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013
Sample description	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013
Semi Volatile Organic Compounds	09-Nov-2013	09-Nov-2013	09-Nov-2013	09-Nov-2013	10-Nov-2013	10-Nov-2013	09-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013
Total Organic Carbon	12-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
TPH CWG GC (S)	11-Nov-2013	11-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	11-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013
VOC MS (S)	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	09-Nov-2013

Lab Sample No(s)	8386802	8386808	8388999	8389000	8389001	8386781	8386796	8386801	8386806	8386783
Customer Sample Ref.	VAL 17B	VAL 23B	VAL 13B dup	VAL 17B dup	VAL 23B dup	VAL 13E	VAL 16E	VAL 17E	VAL 23E	VAL 13N
AGS Ref.										
Depth	0.60	0.60	0.60	0.60	0.60	0.50	0.20	0.40	0.20	0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
EPH CWG (Aliphatic) GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
EPH CWG (Aromatic) GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
GRO by GC-FID (S)	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
Metals in solid samples by OES	11-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
pH	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013
Sample description	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013
Semi Volatile Organic Compounds	09-Nov-2013	10-Nov-2013	09-Nov-2013	09-Nov-2013	10-Nov-2013	09-Nov-2013	09-Nov-2013	09-Nov-2013	10-Nov-2013	09-Nov-2013
Total Organic Carbon	11-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	11-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
TPH CWG GC (S)	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
VOC MS (S)	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013

Lab Sample No(s)	8386787	8386790	8386799	8386800	8386810	8386784	8386793	8386795	8386803	8386807
Customer Sample Ref.	VAL 14N	VAL 15N	VAL 16N	VAL 17N	VAL 23N	VAL 13S	VAL 15S	VAL 16S	VAL 17S	VAL 23S
AGS Ref.										
Depth	0.40	0.30	0.50	0.20	0.30	0.30	0.40	0.30	0.30	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
EPH CWG (Aliphatic) GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
EPH CWG (Aromatic) GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
GRO by GC-FID (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	12-Nov-2013
Metals in solid samples by OES	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
pH	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013
Sample description	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013
Semi Volatile Organic Compounds	10-Nov-2013	10-Nov-2013	09-Nov-2013	09-Nov-2013	10-Nov-2013	09-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013
Total Organic Carbon	12-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013	11-Nov-2013
TPH CWG GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	11-Nov-2013	11-Nov-2013	12-Nov-2013	12-Nov-2013
VOC MS (S)	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013

Lab Sample No(s)	8386785	8386789	8386804	8386809
Customer Sample Ref.	VAL 13W	VAL 14W	VAL 17W	VAL 23W
AGS Ref.				
Depth	0.20	0.20	0.20	0.30
Type	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
EPH CWG (Aliphatic) GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
EPH CWG (Aromatic) GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
GRO by GC-FID (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
Metals in solid samples by OES	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
pH	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013
Sample description	08-Nov-2013	08-Nov-2013	08-Nov-2013	08-Nov-2013
Semi Volatile Organic Compounds	09-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013
Total Organic Carbon	12-Nov-2013	12-Nov-2013	12-Nov-2013	12-Nov-2013
TPH CWG GC (S)	11-Nov-2013	11-Nov-2013	11-Nov-2013	11-Nov-2013
VOC MS (S)	10-Nov-2013	10-Nov-2013	10-Nov-2013	10-Nov-2013

SDG:	131107-62	**Location:**	Coed Darcy	**Order Number:**	CD0536
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	249521
Client Reference:	NCA	**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**
§	**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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SA10 6HJ

Attention: Adam Putt

CERTIFICATE OF ANALYSIS

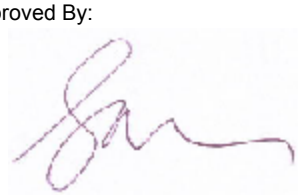
Date:	24 January 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140109-65
Your Reference:	NCA
Location:	Coed Darcy
Report No:	257653

We received 23 samples on Thursday January 09, 2014 and 23 of these samples were scheduled for analysis which was completed on Friday January 24, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8663322	NCA 27		0.30	07/01/2014
8663323	NCA 28		0.30	07/01/2014
8663325	NCA 29		0.20	07/01/2014
8663326	NCA 30		0.30	07/01/2014
8663327	NCA 31		0.20	07/01/2014
8663328	NCA 32		0.30	07/01/2014
8663329	NCA 33		0.20	07/01/2014
8663330	NCA 34		0.30	07/01/2014
8663331	NCA 35		0.20	07/01/2014
8663332	NCA 36		0.30	07/01/2014
8663334	NCA 37		0.30	07/01/2014
8663335	NCA 38		0.20	07/01/2014
8663337	NCA 39		0.30	07/01/2014
8663338	NCA 40		0.20	07/01/2014
8663340	NCA 41		0.30	07/01/2014
8663341	NCA 42		0.20	07/01/2014
8663342	NCA 43		0.30	07/01/2014
8663343	NCA 44		0.20	07/01/2014
8663345	NCA 45		0.30	07/01/2014
8663346	NCA 46		0.30	07/01/2014
8663348	NCA 47		0.20	07/01/2014
8663349	NCA 48		0.30	07/01/2014
8663351	NCA 49		0.20	07/01/2014

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

CERTIFICATE OF ANALYSIS

SDG: 140109-65
Job: H_ATKINS_LDC-184
Client Reference: NCA
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Adam Putt
Order Number: CD0590
Report Number: 257653
Superseded Report:

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			8663322			8663323			8663325			8663326			8663327			8663328			8663329			8663330			8663331			8663332			8663334			8663335			8663337			8663338
Customer Sample Reference			NCA 27			NCA 28			NCA 29			NCA 30			NCA 31			NCA 32			NCA 33			NCA 34			NCA 35			NCA 36			NCA 37			NCA 38			NCA 39			NCA 40
AGS Reference																																										
Depth (m)			0.30			0.30			0.20			0.30			0.20			0.30			0.20			0.30			0.20			0.30			0.30			0.20			0.30			0.20
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)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	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			X			X			X			X			X			X			X		
Asbestos Quantification - Full	All	NDPs: 0 Tests: 10		X			X			X									X																					X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 23	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 23	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 23		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 23	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 23	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 23	X			X			X			X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 23	X			X			X			X			X			X			X			X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

SOLID

Results Legend

- X: Test
- N: No Determination Possible

Lab Sample No(s)			8663338		8663340			8663341			8663342			8663343			8663345			8663346			8663348			8663349			8663351		
Customer Sample Reference			NCA 40		NCA 41			NCA 42			NCA 43			NCA 44			NCA 45			NCA 46			NCA 47			NCA 48			NCA 49		
AGS Reference																															
Depth (m)			0.20		0.30			0.20			0.30			0.20			0.30			0.30			0.20			0.30			0.20		
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: 23	X			X			X			X			X			X			X			X			X			X	
Asbestos Quantification - Full	All	NDPs: 0 Tests: 10				X						X			X						X									X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 23		X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 23	X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 23			X			X			X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 23		X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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
8663322	NCA 27	0.30	Grey	Sandy Loam	2 - 10 mm	Stones	N/A
8663323	NCA 28	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Brick
8663325	NCA 29	0.20	Grey	Sandy Loam	0.1 - 2 mm	Stones	N/A
8663326	NCA 30	0.30	Grey	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
8663327	NCA 31	0.20	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
8663328	NCA 32	0.30	Black	Sand	0.1 - 2 mm	Stones	None
8663329	NCA 33	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8663330	NCA 34	0.30	Black	Loamy Sand	0.1 - 2 mm	Brick	Stones
8663331	NCA 35	0.20	Black	Sand	0.1 - 2 mm	Brick	Stones
8663332	NCA 36	0.30	Black	Loamy Sand	0.1 - 2 mm	Stones	None
8663334	NCA 37	0.30	Black	Sand	0.1 - 2 mm	Stones	None
8663335	NCA 38	0.20	Black	Loamy Sand	0.1 - 2 mm	Stones	None
8663337	NCA 39	0.30	Black	Loamy Sand	0.1 - 2 mm	Stones	None
8663338	NCA 40	0.20	Black	Loamy Sand	0.1 - 2 mm	Stones	None
8663340	NCA 41	0.30	Black	Sand	0.1 - 2 mm	Stones	None
8663341	NCA 42	0.20	Black	Loamy Sand	0.1 - 2 mm	Stones	None
8663342	NCA 43	0.30	Black	Loamy Sand	0.1 - 2 mm	Stones	Brick
8663343	NCA 44	0.20	Black	Sand	0.1 - 2 mm	Stones	None
8663345	NCA 45	0.30	Black	Loamy Sand	0.1 - 2 mm	Stones	None
8663346	NCA 46	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8663348	NCA 47	0.20	Black	Loamy Sand	0.1 - 2 mm	Stones	None
8663349	NCA 48	0.30	Black	Sand	0.1 - 2 mm	Stones	None
8663351	NCA 49	0.20	Black	Loamy Sand	0.1 - 2 mm	Brick	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.

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SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 27	NCA 28	NCA 29	NCA 30	NCA 31	NCA 32
			Depth (m)	0.30	0.30	0.20	0.30	0.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663322	8663323	8663325	8663326	8663327	8663328
			AGS Reference						
Moisture Content Ratio	%	PM024		7.2	9.2	9.8	7.8	6	5.8
Soil Organic Matter (SOM)	<0.35 %	TM132		1.55 #	2.07 #	1.93 #	1.11 #	1.52 #	0.817 #
pH	1 pH Units	TM133		8.54 M	8.52 M	8.63 M	8.58 M	8.51 M	8.55 M
Arsenic	<0.6 mg/kg	TM181		7.74 M	9.92 M	9.87 M	11.2 M	3.83 M	4.52 M
Cadmium	<0.02 mg/kg	TM181		0.77 M	0.741 M	0.775 M	1.06 M	0.757 M	0.707 M
Chromium	<0.9 mg/kg	TM181		16.2 M	15.7 M	16.6 M	16.8 M	15.6 M	14.2 M
Copper	<1.4 mg/kg	TM181		14.3 M	21.5 M	21.4 M	24.5 M	8.13 M	6.67 M
Lead	<0.7 mg/kg	TM181		21.1 M	25.8 M	29.1 M	32.2 M	13.2 M	17.6 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		34.2 M	37.6 M	37.5 M	43.1 M	40.4 M	31.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.3 #	16.9 #	17 #	17.8 #	12.7 #	11.2 #
Zinc	<1.9 mg/kg	TM181		91 M	98.8 M	105 M	117 M	77.2 M	85.6 M

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Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 33	NCA 34	NCA 35	NCA 36	NCA 37	NCA 38
			Depth (m)	0.20	0.30	0.20	0.30	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663329	8663330	8663331	8663332	8663334	8663335
			AGS Reference						
Moisture Content Ratio	%	PM024		7.9	6.7	7.6	7.3	6.2	5.5
Soil Organic Matter (SOM)	<0.35 %	TM132		1.18 #	1.41 #	1.49 #	1.17 #	0.884 #	0.776 #
pH	1 pH Units	TM133		8.59 M	8.41 M	8.24 M	8.48 M	8.45 M	8.67 M
Arsenic	<0.6 mg/kg	TM181		8.97 M	5.91 M	7.64 M	7.22 M	5.51 M	4.86 M
Cadmium	<0.02 mg/kg	TM181		0.993 M	0.691 M	0.774 M	0.686 M	0.884 M	0.574 M
Chromium	<0.9 mg/kg	TM181		16.3 M	14.1 M	14 M	19.5 M	15.8 M	14.9 M
Copper	<1.4 mg/kg	TM181		20.2 M	10.8 M	14.1 M	14.2 M	12.3 M	10.8 M
Lead	<0.7 mg/kg	TM181		106 M	14.6 M	24.1 M	18.9 M	17 M	12.8 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		37.6 M	30.4 M	33.1 M	33.6 M	37.5 M	35.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.1 #	14.1 #	14.1 #	15.2 #	16 #	13.5 #
Zinc	<1.9 mg/kg	TM181		294 M	70.7 M	80 M	74.8 M	87.8 M	79 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R	NCA 39	NCA 40	NCA 41	NCA 42	NCA 43	NCA 44
			Depth (m)	0.30	0.20	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663337	8663338	8663340	8663341	8663342	8663343
			AGS Reference						
Moisture Content Ratio	%	PM024		8.4	10	7.2	6.7	7	7.2
Soil Organic Matter (SOM)	<0.35 %	TM132		1.63 #	3.78 #	0.776 #	0.872 #	0.99 #	1.04 #
pH	1 pH Units	TM133		8.49 M	8.52 M	8.66 M	8.6 M	8.36 M	8.58 M
Arsenic	<0.6 mg/kg	TM181		7.63 M	17.8 M	7.21 M	7.47 M	6.41 M	7.74 M
Cadmium	<0.02 mg/kg	TM181		0.995 M	1.08 M	0.656 M	0.7 M	0.718 M	0.905 M
Chromium	<0.9 mg/kg	TM181		25.3 M	24.5 M	15.5 M	14.3 M	15.1 M	37.5 M
Copper	<1.4 mg/kg	TM181		16.3 M	43.9 M	15.3 M	15.7 M	12.6 M	16.7 M
Lead	<0.7 mg/kg	TM181		19.3 M	33.5 M	18.3 M	20.6 M	18.5 M	21.1 M
Mercury	<0.14 mg/kg	TM181		0.149 M	0.189 M	<0.14 M	<0.14 M	<0.14 M	0.149 M
Nickel	<0.2 mg/kg	TM181		34.4 M	31.2 M	35.3 M	34.7 M	36.9 M	29.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.8 #	19.4 #	14 #	14.8 #	14 #	21.9 #
Zinc	<1.9 mg/kg	TM181		84 M	115 M	81.8 M	76.8 M	82.9 M	90.9 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 45	NCA 46	NCA 47	NCA 48	NCA 49
			Depth (m)	0.30	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663345	8663346	8663348	8663349	8663351
			AGS Reference					
Moisture Content Ratio	%	PM024		3.3	8.4	5.3	8.5	7.8
Soil Organic Matter (SOM)	<0.35 %	TM132		0.941 #	1.78 #	1.67 #	1.44 #	0.924 #
pH	1 pH Units	TM133		8.54 M	8.58 M	8.5 M	8.52 M	8.54 M
Arsenic	<0.6 mg/kg	TM181		3.46 M	10.8 M	5.13 M	6.96 M	8.1 M
Cadmium	<0.02 mg/kg	TM181		0.612 M	0.884 M	0.772 M	0.897 M	0.729 M
Chromium	<0.9 mg/kg	TM181		16.1 M	16.2 M	15.3 M	15.5 M	14.9 M
Copper	<1.4 mg/kg	TM181		5.23 M	17.9 M	11.8 M	13.3 M	25.8 M
Lead	<0.7 mg/kg	TM181		11.3 M	23.5 M	14.8 M	18.8 M	20.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		32.1 M	39.1 M	39.7 M	35.7 M	34.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		13.4 #	14.4 #	14.4 #	16.9 #	15.1 #
Zinc	<1.9 mg/kg	TM181		71.9 M	89.2 M	79.6 M	83.8 M	83 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 27	NCA 28	NCA 29	NCA 30	NCA 31	NCA 32
			Depth (m)	0.30	0.30	0.20	0.30	0.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663322	8663323	8663325	8663326	8663327	8663328
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 27	NCA 28	NCA 29	NCA 30	NCA 31	NCA 32
			Depth (m)	0.30	0.30	0.20	0.30	0.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663322	8663323	8663325	8663326	8663327	8663328
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	145
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	172	<100	<100	<100	211
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	188	123	<100	<100	152
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	152	<100	<100	<100	116
Benzo(a)pyrene	<100 µg/kg	TM157		<100	180	125	<100	<100	155
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		148	239	166	<100	<100	372
Fluoranthene	<100 µg/kg	TM157		116	267	158	<100	<100	268
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		138	203	154	<100	<100	403
Pyrene	<100 µg/kg	TM157		132	239	158	<100	<100	336
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 33	NCA 34	NCA 35	NCA 36	NCA 37	NCA 38
			Depth (m)	0.20	0.30	0.20	0.30	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663329	8663330	8663331	8663332	8663334	8663335
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 33	NCA 34	NCA 35	NCA 36	NCA 37	NCA 38
			Depth (m)	0.20	0.30	0.20	0.30	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663329	8663330	8663331	8663332	8663334	8663335
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	117
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	108
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	110
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 39	NCA 40	NCA 41	NCA 42	NCA 43	NCA 44
			Depth (m)	0.30	0.20	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663337	8663338	8663340	8663341	8663342	8663343
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 39	NCA 40	NCA 41	NCA 42	NCA 43	NCA 44
			Depth (m)	0.30	0.20	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663337	8663338	8663340	8663341	8663342	8663343
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	213	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	152	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	421	<100	<100	<100	110
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	458	<100	<100	<100	134
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	376	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	491	<100	<100	<100	129
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	313	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	534	<100	198	112	203
Fluoranthene	<100 µg/kg	TM157		<100	738	<100	<100	128	169
Fluorene	<100 µg/kg	TM157		<100	159	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	259	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	799	<100	<100	112	156
Pyrene	<100 µg/kg	TM157		<100	607	<100	140	128	179
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 45	NCA 46	NCA 47	NCA 48	NCA 49
			Depth (m)	0.30	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663345	8663346	8663348	8663349	8663351
			AGS Reference					
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA 45	NCA 46	NCA 47	NCA 48	NCA 49	
			Depth (m)	0.30	0.30	0.20	0.30	0.20	
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	
			Sample Time	.	.	.	.	.	
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	
			Lab Sample No.(s)	8663345	8663346	8663348	8663349	8663351	
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	200	<100	<100	
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	177	<100	<100	
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	144	<100	<100	
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	168	<100	<100	
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Chrysene	<100 µg/kg	TM157		<100	<100	238	<100	<100	
Fluoranthene	<100 µg/kg	TM157		<100	<100	281	<100	<100	
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Phenanthrene	<100 µg/kg	TM157		<100	<100	167	<100	<100	
Pyrene	<100 µg/kg	TM157		<100	<100	254	<100	<100	
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 27	NCA 28	NCA 29	NCA 30	NCA 31	NCA 32
			Depth (m)	0.30	0.30	0.20	0.30	0.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663322	8663323	8663325	8663326	8663327	8663328
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		35	45	33	38	41	46
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		255 M	211 M	506 M	193 M	177 M	269 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		9.69 M	12.1 M	14.4 M	11.9 M	8.51 M	8.49 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	3.33 M	<3 M	3.19 M	3.18 M
m,p-Xylene	<6 µg/kg	TM089		14 M	15.4 M	15.5 M	13 M	13.8 M	15.9 M
o-Xylene	<3 µg/kg	TM089		4.31 M	3.3 M	5.55 M	3.26 M	3.19 M	5.31 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		18.3	18.7	21.1	16.3	17	21.2
sum of detected BTEX by GC	<24 µg/kg	TM089		28	30.8	38.8	28.2	28.7	32.9
Aliphatics >C5-C6	<10 µg/kg	TM089		19.4	14.3	33.3	14.1	16	18
Aliphatics >C6-C8	<10 µg/kg	TM089		68.9	53.9	133	47.7	47.9	69
Aliphatics >C8-C10	<10 µg/kg	TM089		36.6	33	83.3	30.4	26.6	39.3
Aliphatics >C10-C12	<10 µg/kg	TM089		44.2	29.7	94.4	28.2	23.4	47.7
Aliphatics >C12-C16	<100 µg/kg	TM173		3550	4980	5300	4120	<100	8000
Aliphatics >C16-C21	<100 µg/kg	TM173		9310	18600	16500	11000	4050	17500
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	1080000	<100	<100	16400	35600
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	81100	10400	4720	3980	12200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		12900	1180000	32200	19800	24500	73300
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	12.1	14.4	11.9	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		45.2	44	78.8	38	37.2	50.9
Aromatics >EC10-EC12	<10 µg/kg	TM089		29.1	19.8	63.3	18.4	16	31.8
Aromatics >EC12-EC16	<100 µg/kg	TM173		2670	3090	3230	3200	2930	3060
Aromatics >EC16-EC21	<100 µg/kg	TM173		6520	13000	9200	7160	8270	10200
Aromatics >EC21-EC35	<100 µg/kg	TM173		27200	640000	44800	28800	34000	35500
Aromatics >EC35-EC44	<100 µg/kg	TM173		11400	59600	18100	14200	13100	14800
Aromatics >EC40-EC44	<100 µg/kg	TM173		4230	21400	7450	5460	4980	6170
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		47800	716000	75300	53400	58300	63500
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		60900	1900000	108000	73400	83000	137000

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 33	NCA 34	NCA 35	NCA 36	NCA 37	NCA 38
			Depth (m)	0.20	0.30	0.20	0.30	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663329	8663330	8663331	8663332	8663334	8663335
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		49	41	46	36	45	36
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		166 M	501 M	293 M	195 M	260 M	279 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M	8.46 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		7.6 M	8.58 M	9.75 M	6.47 M	8.53 M	7.41 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		11.9 M	11.8 M	13 M	7.55 M	12.8 M	9.52 M
o-Xylene	<3 µg/kg	TM089		<3 M	4.29 M	3.25 M	<3 M	3.2 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		11.9	16.1	16.3	<9	16	9.52
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	24.7	26.1	<24	24.5	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		11.9	21.4	18.4	10.8	14.9	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		42.3	81.5	72.6	43.1	55.4	56.1
Aliphatics >C8-C10	<10 µg/kg	TM089		28.2	78.3	45.5	29.1	42.6	41.3
Aliphatics >C10-C12	<10 µg/kg	TM089		23.9	142	57.4	45.3	53.3	68.8
Aliphatics >C12-C16	<100 µg/kg	TM173		3480	4230	3570	3230	2220	4760
Aliphatics >C16-C21	<100 µg/kg	TM173		10200	10500	10800	11500	7990	9480
Aliphatics >C21-C35	<100 µg/kg	TM173		27300	24800	26100	26900	22500	19600
Aliphatics >C35-C44	<100 µg/kg	TM173		9380	7700	7790	8220	7730	4400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		50400	47200	48200	49800	40400	38300
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		35.8	70.8	48.7	30.2	46.9	40.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		16.3	94.3	37.9	30.2	35.2	45.5
Aromatics >EC12-EC16	<100 µg/kg	TM173		1870	1630	2160	2130	936	2360
Aromatics >EC16-EC21	<100 µg/kg	TM173		6660	6230	7260	7580	4680	6080
Aromatics >EC21-EC35	<100 µg/kg	TM173		29400	28700	32100	34600	25500	21200
Aromatics >EC35-EC44	<100 µg/kg	TM173		12400	11800	12700	13000	10400	12600
Aromatics >EC40-EC44	<100 µg/kg	TM173		5000	4450	5070	5020	4130	5740
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		50400	48300	54200	57300	41600	42300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		101000	96000	103000	107000	82200	80900

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 39	NCA 40	NCA 41	NCA 42	NCA 43	NCA 44
			Depth (m)	0.30	0.20	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663337	8663338	8663340	8663341	8663342	8663343
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		35	51	27	29	44	46
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		283 M	390 M	253 M	245 M	478 M	199 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		8.74 M	7.84 M	8.62 M	8.58 M	8.6 M	5.39 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	3.22 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		13.1 M	12.3 M	11.8 M	11.8 M	12.9 M	9.7 M
o-Xylene	<3 µg/kg	TM089		3.28 M	3.36 M	3.23 M	3.22 M	3.23 M	3.23 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		16.4	15.7	15	15	16.1	12.9
sum of detected BTEX by GC	<24 µg/kg	TM089		25.1	<24	<24	26.8	24.7	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		18.6	22.4	19.4	18.2	19.4	11.9
Aliphatics >C6-C8	<10 µg/kg	TM089		66.6	77.3	68.9	63.2	71	44.2
Aliphatics >C8-C10	<10 µg/kg	TM089		42.6	63.8	36.6	34.3	97.8	31.3
Aliphatics >C10-C12	<10 µg/kg	TM089		57.9	93	45.2	46.1	112	41
Aliphatics >C12-C16	<100 µg/kg	TM173		2700	3470	2430	4070	4500	5560
Aliphatics >C16-C21	<100 µg/kg	TM173		11200	8290	13400	22300	14100	12800
Aliphatics >C21-C35	<100 µg/kg	TM173		25000	20200	28900	46700	26400	32600
Aliphatics >C35-C44	<100 µg/kg	TM173		5080	5740	8300	14600	5180	9560
Total Aliphatics >C12-C44	<100 µg/kg	TM173		44100	37700	53000	87700	50200	60600
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		47	60.5	42	41.8	84.9	34.5
Aromatics >EC10-EC12	<10 µg/kg	TM089		38.2	61.6	30.2	31.1	75.3	27
Aromatics >EC12-EC16	<100 µg/kg	TM173		1600	1160	1420	2010	3280	6120
Aromatics >EC16-EC21	<100 µg/kg	TM173		9910	5450	10800	19300	15000	17700
Aromatics >EC21-EC35	<100 µg/kg	TM173		31500	23000	38400	69200	29500	53600
Aromatics >EC35-EC44	<100 µg/kg	TM173		14500	9010	13200	26200	11300	37700
Aromatics >EC40-EC44	<100 µg/kg	TM173		6110	3550	5200	10600	4510	16800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		57600	38600	63800	117000	59200	115000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		102000	76700	117000	205000	110000	176000

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 45	NCA 46	NCA 47	NCA 48	NCA 49
			Depth (m)	0.30	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663345	8663346	8663348	8663349	8663351
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		46	33	44	46	35
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		196 M	354 M	206 M	230 M	270 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		8.28 M	8.74 M	9.5 M	8.74 M	8.67 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	3.17 M	3.28 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		14.5 M	14.2 M	15.8 M	15.3 M	11.9 M
o-Xylene	<3 µg/kg	TM089		3.11 M	3.28 M	3.17 M	4.37 M	3.25 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		17.6	17.5	19	19.7	15.2
sum of detected BTEX by GC	<24 µg/kg	TM089		25.9	26.2	31.7	31.7	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		14.5	17.5	14.8	15.3	17.3
Aliphatics >C6-C8	<10 µg/kg	TM089		49.7	71	50.7	57.9	62.9
Aliphatics >C8-C10	<10 µg/kg	TM089		31.1	55.7	32.7	29.5	39
Aliphatics >C10-C12	<10 µg/kg	TM089		29	85.2	31.7	42.6	58.5
Aliphatics >C12-C16	<100 µg/kg	TM173		3540	4220	1780	3420	3310
Aliphatics >C16-C21	<100 µg/kg	TM173		9270	14600	7300	9640	11900
Aliphatics >C21-C35	<100 µg/kg	TM173		25100	43700	21100	24100	34700
Aliphatics >C35-C44	<100 µg/kg	TM173		8370	19300	6960	5730	11200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		46300	81900	37100	42900	61100
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		40.4	57.9	43.3	43.7	43.4
Aromatics >EC10-EC12	<10 µg/kg	TM089		19.7	56.8	21.1	28.4	39
Aromatics >EC12-EC16	<100 µg/kg	TM173		2110	2440	1680	1880	1370
Aromatics >EC16-EC21	<100 µg/kg	TM173		6360	11300	8000	6610	7280
Aromatics >EC21-EC35	<100 µg/kg	TM173		29400	56100	35100	28700	36400
Aromatics >EC35-EC44	<100 µg/kg	TM173		14700	28500	21600	12200	13700
Aromatics >EC40-EC44	<100 µg/kg	TM173		6200	12100	9830	4930	5440
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		52600	98300	66400	49400	58800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		99100	181000	104000	92500	120000

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 27	NCA 28	NCA 29	NCA 30	NCA 31	NCA 32
			Depth (m)	0.30	0.30	0.20	0.30	0.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663322	8663323	8663325	8663326	8663327	8663328
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	102	104	104	103	103
Toluene-d8**	%	TM116		96.8	98.5	102	98.1	98.1	92.2
4-Bromofluorobenzene**	%	TM116		106	102	103	108	104	107
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 27	NCA 28	NCA 29	NCA 30	NCA 31	NCA 32
			Depth (m)	0.30	0.30	0.20	0.30	0.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663322	8663323	8663325	8663326	8663327	8663328
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 27	NCA 28	NCA 29	NCA 30	NCA 31	NCA 32
			Depth (m)	0.30	0.30	0.20	0.30	0.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663322	8663323	8663325	8663326	8663327	8663328
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 33	NCA 34	NCA 35	NCA 36	NCA 37	NCA 38
			Depth (m)	0.20	0.30	0.20	0.30	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663329	8663330	8663331	8663332	8663334	8663335
			AGS Reference						
Dibromofluoromethane**	%	TM116		106	104	105	105	105	104
Toluene-d8**	%	TM116		103	100	100	100	97.3	96.6
4-Bromofluorobenzene**	%	TM116		109	105	106	107	118	104
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 33	NCA 34	NCA 35	NCA 36	NCA 37	NCA 38
			Depth (m)	0.20	0.30	0.20	0.30	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663329	8663330	8663331	8663332	8663334	8663335
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend		Customer Sample R	NCA 33	NCA 34	NCA 35	NCA 36	NCA 37	NCA 38
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	0.20	0.30	0.20	0.30	0.30	0.20
tot.unfilt	Total / unfiltered sample.	Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
*	Subcontracted test.	Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Sample Time	.	.	.	.	.	.
		Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
		SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
(F)	Trigger breach confirmed	Lab Sample No.(s)	8663329	8663330	8663331	8663332	8663334	8663335
1-4&+§@	Sample deviation (see appendix)	AGS Reference						

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

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 39	NCA 40	NCA 41	NCA 42	NCA 43	NCA 44
			Depth (m)	0.30	0.20	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663337	8663338	8663340	8663341	8663342	8663343
			AGS Reference						
Dibromofluoromethane**	%	TM116		104	103	103	120	107	108
Toluene-d8**	%	TM116		101	98.6	98.7	97.1	99	101
4-Bromofluorobenzene**	%	TM116		108	106	106	108	104	108
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	239 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 39	NCA 40	NCA 41	NCA 42	NCA 43	NCA 44
			Depth (m)	0.30	0.20	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663337	8663338	8663340	8663341	8663342	8663343
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 39	NCA 40	NCA 41	NCA 42	NCA 43	NCA 44
			Depth (m)	0.30	0.20	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663337	8663338	8663340	8663341	8663342	8663343
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 45	NCA 46	NCA 47	NCA 48	NCA 49
			Depth (m)	0.30	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663345	8663346	8663348	8663349	8663351
			AGS Reference					
Dibromofluoromethane**	%	TM116		106	104	103	103	105
Toluene-d8**	%	TM116		99.3	99.4	104	100	99.5
4-Bromofluorobenzene**	%	TM116		97.5	101	113	109	102
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA 45	NCA 46	NCA 47	NCA 48	NCA 49
			Depth (m)	0.30	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663345	8663346	8663348	8663349	8663351
			AGS Reference					
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA 45	NCA 46	NCA 47	NCA 48	NCA 49
			Depth (m)	0.30	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014
			Sample Time	.	.	.	.	.
			Date Received	09/01/2014	09/01/2014	09/01/2014	09/01/2014	09/01/2014
			SDG Ref	140109-65	140109-65	140109-65	140109-65	140109-65
			Lab Sample No.(s)	8663345	8663346	8663348	8663349	8663351
			AGS Reference					
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 27 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663322 TM048	14/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 28 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663323 TM048	14/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 29 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663325 TM048	14/01/14	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 30 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663326 TM048	14/01/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 31 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663327 TM048	14/01/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 32 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663328 TM048	14/01/14	Kevin Bowron	Loose fibres in soil	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 33 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663329 TM048	14/01/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 34 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663330 TM048	14/01/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 35 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663331 TM048	14/01/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 36 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663332 TM048	14/01/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 37 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663334 TM048	14/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 38 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663335 TM048	13/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 39 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663337 TM048	14/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 40 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663338 TM048	14/01/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 41 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663340 TM048	14/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 42 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663341 TM048	13/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 43 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663342 TM048	13/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 44 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663343 TM048	14/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 45 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663345 TM048	13/01/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 46 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663346 TM048	14/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 47 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663348 TM048	13/01/14	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 48 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663349 TM048	14/01/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 49 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663351 TM048	13/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 27 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663322 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	NCA 28 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663323 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	NCA 29 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663325 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	NCA 32 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663328 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	NCA 39 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663337 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 41 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663340 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	NCA 43 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663342 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	NCA 44 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663343 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	NCA 46 0.30 SOLID 07/01/2014 00:00:00 140109-65 8663346 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	NCA 49 0.20 SOLID 07/01/2014 00:00:00 140109-65 8663351 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		

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

CERTIFICATE OF ANALYSIS

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8663322	8663323	8663325	8663326	8663327	8663328	8663329	8663330	8663331	8663332
Customer Sample Ref.	NCA 27	NCA 28	NCA 29	NCA 30	NCA 31	NCA 32	NCA 33	NCA 34	NCA 35	NCA 36
AGS Ref.										
Depth	0.30	0.30	0.20	0.30	0.20	0.30	0.20	0.30	0.20	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014
Asbestos Quantification - Full	24-Jan-2014	21-Jan-2014	20-Jan-2014			23-Jan-2014				
EPH CWG (Aliphatic) GC (S)	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014
EPH CWG (Aromatic) GC (S)	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014
GRO by GC-FID (S)	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014
Metals in solid samples by OES	16-Jan-2014	16-Jan-2014	16-Jan-2014	16-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014
pH	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014
Sample description	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014
Semi Volatile Organic Compounds	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	14-Jan-2014	15-Jan-2014	14-Jan-2014	15-Jan-2014	15-Jan-2014	14-Jan-2014
Total Organic Carbon	17-Jan-2014	17-Jan-2014	17-Jan-2014	16-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014
TPH CWG GC (S)	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014
VOC MS (S)	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014

Lab Sample No(s)	8663334	8663335	8663337	8663338	8663340	8663341	8663342	8663343	8663345	8663346
Customer Sample Ref.	NCA 37	NCA 38	NCA 39	NCA 40	NCA 41	NCA 42	NCA 43	NCA 44	NCA 45	NCA 46
AGS Ref.										
Depth	0.30	0.20	0.30	0.20	0.30	0.20	0.30	0.20	0.30	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014
Asbestos Quantification - Full			23-Jan-2014		24-Jan-2014		23-Jan-2014	23-Jan-2014		23-Jan-2014
EPH CWG (Aliphatic) GC (S)	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014
EPH CWG (Aromatic) GC (S)	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014
GRO by GC-FID (S)	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	11-Jan-2014	11-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014
Metals in solid samples by OES	15-Jan-2014	14-Jan-2014	15-Jan-2014	14-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014
pH	13-Jan-2014	14-Jan-2014	14-Jan-2014	13-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	13-Jan-2014	14-Jan-2014	14-Jan-2014
Sample description	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014	10-Jan-2014
Semi Volatile Organic Compounds	14-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	15-Jan-2014	14-Jan-2014	15-Jan-2014	15-Jan-2014	14-Jan-2014
Total Organic Carbon	14-Jan-2014	13-Jan-2014	13-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	13-Jan-2014	14-Jan-2014	14-Jan-2014
TPH CWG GC (S)	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014	14-Jan-2014
VOC MS (S)	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014	13-Jan-2014

Lab Sample No(s)	8663348	8663349	8663351
Customer Sample Ref.	NCA 47	NCA 48	NCA 49
AGS Ref.			
Depth	0.20	0.30	0.20
Type	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	15-Jan-2014	15-Jan-2014	15-Jan-2014
Asbestos Quantification - Full			21-Jan-2014
EPH CWG (Aliphatic) GC (S)	14-Jan-2014	14-Jan-2014	14-Jan-2014
EPH CWG (Aromatic) GC (S)	14-Jan-2014	14-Jan-2014	14-Jan-2014
GRO by GC-FID (S)	13-Jan-2014	13-Jan-2014	13-Jan-2014
Metals in solid samples by OES	15-Jan-2014	14-Jan-2014	15-Jan-2014
pH	14-Jan-2014	13-Jan-2014	13-Jan-2014
Sample description	10-Jan-2014	10-Jan-2014	10-Jan-2014
Semi Volatile Organic Compounds	14-Jan-2014	14-Jan-2014	14-Jan-2014
Total Organic Carbon	13-Jan-2014	13-Jan-2014	14-Jan-2014
TPH CWG GC (S)	14-Jan-2014	14-Jan-2014	14-Jan-2014
VOC MS (S)	13-Jan-2014	13-Jan-2014	13-Jan-2014

SDG:	140109-65	**Location:**	Coed Darcy	**Order Number:**	CD0590
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	257653
Client Reference:	NCA	**Attention:**	Adam Putt	**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**
§	**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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SA10 6HJ

Attention: Adam Putt

CERTIFICATE OF ANALYSIS

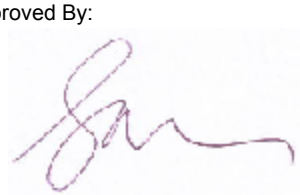
Date:	04 March 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140219-46
Your Reference:	NCA
Location:	Coed Darcy
Report No:	261912

We received 31 samples on Wednesday February 19, 2014 and 31 of these samples were scheduled for analysis which was completed on Tuesday March 04, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8867278	NCA 4		1.00	18/02/2014
8867281	NCA 5		1.20	18/02/2014
8867284	NCA 6		1.30	18/02/2014
8867266	NCA 7		1.20	18/02/2014
8867267	NCA 8		0.30	18/02/2014
8867268	NCA 8		1.00	18/02/2014
8867287	NCA 10		1.00	18/02/2014
8867288	NCA 11		0.80	18/02/2014
8867291	NCA 12		1.00	18/02/2014
8867294	NCA 14		0.20	18/02/2014
8867296	NCA 14		1.10	18/02/2014
8867298	NCA 15		0.90	18/02/2014
8867300	NCA 16		1.20	18/02/2014
8867301	NCA 17		0.30	18/02/2014
8867254	NCA 17		1.00	18/02/2014
8867269	NCA 18		0.30	18/02/2014
8867270	NCA 18		1.00	18/02/2014
8867271	NCA 19		1.20	18/02/2014
8867272	NCA 20		0.30	18/02/2014
8867273	NCA 20		1.00	18/02/2014
8867275	NCA 21		0.30	18/02/2014
8867276	NCA 21		1.10	18/02/2014
8867256	NCA 23		0.20	18/02/2014
8867257	NCA 23		0.60	18/02/2014
8867258	NCA 23		1.00	18/02/2014
8867259	NCA 24		0.30	18/02/2014
8867260	NCA 24		1.00	18/02/2014
8867262	NCA 25		0.30	18/02/2014
8867263	NCA 25		1.10	18/02/2014
8867264	NCA 26		0.30	18/02/2014
8867265	NCA 26		1.00	18/02/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			867278	NCA 4		1.00	400g Tub (ALE214)
			867281	NCA 5		1.20	400g Tub (ALE214)
			867284	NCA 6		1.30	400g Tub (ALE214)
			867266	NCA 7		1.20	400g Tub (ALE214)
			867267	NCA 8		0.30	400g Tub (ALE214)
			867268	NCA 8		1.00	400g Tub (ALE214)
			867287	NCA 10		1.00	400g Tub (ALE214)
			867288	NCA 11		0.80	400g Tub (ALE214)
			867291	NCA 12		1.00	400g Tub (ALE214)
			867294	NCA 14		0.20	400g Tub (ALE214)
			867296	NCA 14		1.10	400g Tub (ALE214)
			867298	NCA 15		0.90	400g Tub (ALE214)
			867300	NCA 16		1.20	400g Tub (ALE214)
			867301	NCA 17		0.30	400g Tub (ALE214)
			867254	NCA 17		1.00	400g Tub (ALE214)
			867269	NCA 18		0.30	400g Tub (ALE214)
			867270	NCA 18		1.00	400g Tub (ALE214)
			867271	NCA 19		1.20	400g Tub (ALE214)
			867272	NCA 20		0.30	400g Tub (ALE214)
			867273	NCA 20		1.00	400g Tub (ALE214)
			867275	NCA 21		0.30	400g Tub (ALE214)
			867276	NCA 21		1.10	400g Tub (ALE214)
			867256	NCA 23		0.20	400g Tub (ALE214)
			867257	NCA 23		0.60	400g Tub (ALE214)
			867258	NCA 23		1.00	400g Tub (ALE214)
			867259	NCA 24		0.30	400g Tub (ALE214)
			867260	NCA 24		1.00	400g Tub (ALE214)
			867262	NCA 25		0.30	400g Tub (ALE214)
			867263	NCA 25		1.10	400g Tub (ALE214)
			867264	NCA 26		0.30	400g Tub (ALE214)
			867265	NCA 26		1.00	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 4 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867278 TM048	27/02/14	Paul Poynton	Soil containing loose fibres and ACM debris	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 5 1.20 SOLID 18/02/2014 00:00:00 140219-46 8867281 TM048	03/03/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 6 1.30 SOLID 18/02/2014 00:00:00 140219-46 8867284 TM048	03/03/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 7 1.20 SOLID 18/02/2014 00:00:00 140219-46 8867266 TM048	27/02/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 8 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867267 TM048	28/02/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 8 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867268 TM048	27/02/14	Paul Poynton	Soil containing loose fibres and material typical of asbestos woven material	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	NCA 10 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867287 TM048	03/03/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 11 0.80 SOLID 18/02/2014 00:00:00 140219-46 8867288 TM048	27/02/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 12 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867291 TM048	28/02/14	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	NCA 14 0.20 SOLID 18/02/2014 00:00:00 140219-46 8867294 TM048	27/02/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 14 1.10 SOLID 18/02/2014 00:00:00 140219-46 8867296 TM048	27/02/14	Tomasz Pawlikowski	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 15 0.90 SOLID 18/02/2014 00:00:00 140219-46 8867298 TM048	03/03/14	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	NCA 16 1.20 SOLID 18/02/2014 00:00:00 140219-46 8867300 TM048	03/03/14	Paul Poynton	Soil containing loose fibres and ACM debris	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 17 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867301 TM048	03/03/14	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	NCA 17 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867254 TM048	28/02/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 18 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867269 TM048	27/02/14	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	NCA 18 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867270 TM048	03/03/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 19 1.20 SOLID 18/02/2014 00:00:00 140219-46 8867271 TM048	03/03/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 20 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867272 TM048	28/02/14	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	NCA 20 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867273 TM048	27/02/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 21 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867275 TM048	03/03/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 21 1.10 SOLID 18/02/2014 00:00:00 140219-46 8867276 TM048	27/02/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 23 0.20 SOLID 18/02/2014 00:00:00 140219-46 8867256 TM048	28/02/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 23 0.60 SOLID 18/02/2014 00:00:00 140219-46 8867257 TM048	03/03/14	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 23 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867258 TM048	27/02/14	Paul Poynton	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 24 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867259 TM048	03/03/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 24 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867260 TM048	03/03/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 25 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867262 TM048	03/03/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 25 1.10 SOLID 18/02/2014 00:00:00 140219-46 8867263 TM048	03/03/14	Tomasz Pawlikowski	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 26 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867264 TM048	28/02/14	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	NCA 26 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867265 TM048	03/03/14	Tomasz Pawlikowski	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 4 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867278 TM 304	None (#)	Amphibole fibres found during PCM analysis.	0.0067 (#)	0.0011 (#)	0.0078 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 5 1.20 SOLID 18/02/2014 00:00:00 140219-46 8867281 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	NCA 6 1.30 SOLID 18/02/2014 00:00:00 140219-46 8867284 TM 304	None (#)	N/C	0.0017 (#)	<0.001 (#)	0.0018 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 7 1.20 SOLID 18/02/2014 00:00:00 140219-46 8867266 TM 304	None (#)	Amphibole fibres found during PCM analysis.	0.0031 (#)	0.0010 (#)	0.0041 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 8 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867267 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0011 (#)

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 8 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867268 TM 304	None (#)	N/C	0.1184 (#)	0.0020 (#)	0.1204 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 10 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867287 TM 304	None (#)	N/C	0.0011 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 11 0.80 SOLID 18/02/2014 00:00:00 140219-46 8867288 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	NCA 12 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867291 TM 304	None (#)	N/C	0.0011 (#)	<0.001 (#)	0.002 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 14 0.20 SOLID 18/02/2014 00:00:00 140219-46 8867294 TM 304	None (#)	N/C	0.0060 (#)	<0.001 (#)	0.0066 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 14 1.10 SOLID 18/02/2014 00:00:00 140219-46 8867296 TM 304	None (#)	N/C	0.0010 (#)	<0.001 (#)	0.0014 (#)

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 15 0.90 SOLID 18/02/2014 00:00:00 140219-46 8867298 TM 304	None (#)	N/C	<0.001 (#)	0.0013 (#)	0.0019 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 16 1.20 SOLID 18/02/2014 00:00:00 140219-46 8867300 TM 304	None (#)	N/C	0.0057 (#)	0.0018 (#)	0.0075 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 17 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867301 TM 304	None (#)	N/C	0.0034 (#)	<0.001 (#)	0.0036 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 17 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867254 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	NCA 18 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867269 TM 304	None (#)	Amphibole fibres found during PCM analysis.	0.0017 (#)	<0.001 (#)	0.0023 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 18 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867270 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 19 1.20 SOLID 18/02/2014 00:00:00 140219-46 8867271 TM 304	None (#)	N/C	0.0019 (#)	<0.001 (#)	0.0023 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 20 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867272 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	NCA 20 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867273 TM 304	None (#)	N/C	0.0011 (#)	<0.001 (#)	0.0014 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 21 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867275 TM 304	None (#)	Amphibole fibres found during PCM analysis.	<0.001 (#)	<0.001 (#)	0.0012 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 21 1.10 SOLID 18/02/2014 00:00:00 140219-46 8867276 TM 304	None (#)	N/C	0.0041 (#)	<0.001 (#)	0.0045 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 23 0.20 SOLID 18/02/2014 00:00:00 140219-46 8867256 TM 304	None (#)	N/C	0.0013 (#)	<0.001 (#)	0.0014 (#)

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 23 0.60 SOLID 18/02/2014 00:00:00 140219-46 8867257 TM 304	None (#)	N/C	0.0055 (#)	<0.001 (#)	0.0062 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 23 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867258 TM 304	None (#)	N/C	0.0025 (#)	0.0015 (#)	0.004 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 24 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867259 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	NCA 24 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867260 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	NCA 25 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867262 TM 304	None (#)	N/C	0.0012 (#)	<0.001 (#)	0.0018 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA 25 1.10 SOLID 18/02/2014 00:00:00 140219-46 8867263 TM 304	None (#)	N/C	0.0037 (#)	<0.001 (#)	0.0043 (#)

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA 26 0.30 SOLID 18/02/2014 00:00:00 140219-46 8867264 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	NCA 26 1.00 SOLID 18/02/2014 00:00:00 140219-46 8867265 TM 304	None (#)	N/C	0.0012 (#)	<0.001 (#)	0.0016 (#)

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
TM 304				
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		

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

CERTIFICATE OF ANALYSIS

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8867278	8867281	8867284	8867266	8867267	8867268	8867287	8867288	8867291	8867294
Customer Sample Ref.	NCA 4	NCA 5	NCA 6	NCA 7	NCA 8	NCA 8	NCA 10	NCA 11	NCA 12	NCA 14
AGS Ref.										
Depth	1.00	1.20	1.30	1.20	0.30	1.00	1.00	0.80	1.00	0.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014
Asbestos Quantification - Full	28-Feb-2014	04-Mar-2014	04-Mar-2014	28-Feb-2014	03-Mar-2014	28-Feb-2014	03-Mar-2014	28-Feb-2014	28-Feb-2014	28-Feb-2014

Lab Sample No(s)	8867296	8867298	8867300	8867254	8867301	8867269	8867270	8867271	8867272	8867273
Customer Sample Ref.	NCA 14	NCA 15	NCA 16	NCA 17	NCA 17	NCA 18	NCA 18	NCA 19	NCA 20	NCA 20
AGS Ref.										
Depth	1.10	0.90	1.20	1.00	0.30	0.30	1.00	1.20	0.30	1.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014
Asbestos Quantification - Full	28-Feb-2014	04-Mar-2014	04-Mar-2014	03-Mar-2014	04-Mar-2014	28-Feb-2014	04-Mar-2014	03-Mar-2014	28-Feb-2014	28-Feb-2014

Lab Sample No(s)	8867275	8867276	8867256	8867257	8867258	8867259	8867260	8867262	8867263	8867264
Customer Sample Ref.	NCA 21	NCA 21	NCA 23	NCA 23	NCA 23	NCA 24	NCA 24	NCA 25	NCA 25	NCA 26
AGS Ref.										
Depth	0.30	1.10	0.20	0.60	1.00	0.30	1.00	0.30	1.10	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014
Asbestos Quantification - Full	03-Mar-2014	03-Mar-2014	03-Mar-2014	04-Mar-2014	28-Feb-2014	04-Mar-2014	03-Mar-2014	03-Mar-2014	03-Mar-2014	28-Feb-2014

Lab Sample No(s)	8867265
Customer Sample Ref.	NCA 26
AGS Ref.	
Depth	1.00
Type	SOLID
Asbestos ID in Solid Samples	03-Mar-2014
Asbestos Quantification - Full	04-Mar-2014

SDG:	140219-46	**Location:**	Coed Darcy	**Order Number:**	CD0618
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	261912
Client Reference:	NCA	**Attention:**	Adam Putt	**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

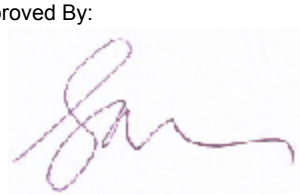
Date:	21 March 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140307-107
Your Reference:	Asbestos Test
Location:	Coed Darcy
Report No:	264037

We received 28 samples on Friday March 07, 2014 and 28 of these samples were scheduled for analysis which was completed on Friday March 21, 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:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8949523	FILL 1			05/03/2014
8949522	FILL 2			05/03/2014
8949480	NCA8 BASE 1		1.10	06/03/2014
8949482	NCA8 BASE 2		1.10	06/03/2014
8949488	NCA8 E			06/03/2014
8949497	NCA8 FILL1			06/03/2014
8949493	NCA8 FILL 2			06/03/2014
8949490	NCA8 N			06/03/2014
8949515	NCA8 S			06/03/2014
8949514	NCA8 W			06/03/2014
8949518	SMS 30-BASE 1		1.00	05/03/2014
8949521	SMS 30-BASE 2		1.00	05/03/2014
8949502	SMS 37 BASE 1		0.40	05/03/2014
8949501	SMS 37 BASE 2		0.40	05/03/2014
8949512	SMS 44-BASE 1		0.50	05/03/2014
8949510	SMS 44-BASE 2		0.50	05/03/2014
8949486	SMS 30-E		1.00	05/03/2014
8949505	SMS 37-E			05/03/2014
8949499	SMS 44-E			05/03/2014
8949520	SMS 30-N		1.00	05/03/2014
8949494	SMS 37-N			05/03/2014
8949511	SMS 44-N		0.40	05/03/2014
8949509	SMS 30-S		1.00	05/03/2014
8949507	SMS 37-S			05/03/2014
8949485	SMS 44-S			05/03/2014
8949491	SMS 30-W		1.00	05/03/2014
8949519	SMS 37 W			05/03/2014
8949504	SMS 44-W			05/03/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

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

Lab Sample No(s)			8949523			8949522			8949480	8949482	8949488	8949497			8949493			8949490	8949515	8949514	8949518	8949521	8949502	8949501	8949512	8949510	8949486	8949505	8949499	8949520	8949494	8949511	8949509	8949507	8949485	8949491	8949519	8949504
Customer Sample Reference			FILL 1			FILL 2			NCA8 BASE 1	NCA8 BASE 2	NCA8 E	NCA8 FILL1			NCA8 FILL 2			NCA8 N	NCA8 S	NCA8 W	SMS 30-BASE 1	SMS 30-BASE 2	SMS 37 BASE 1	SMS 37 BASE 2	SMS 44-BASE 1	SMS 44-BASE 2	SMS 30-E	SMS 37-E	SMS 44-E	SMS 30-N	SMS 37-N	SMS 44-N	SMS 30-S	SMS 37-S	SMS 44-S	SMS 30-W	SMS 37 W	SMS 44-W
AGS Reference																																						
Depth (m)									1.10	1.10											1.00	1.00	0.40	0.40	0.50	0.50	1.00			1.00		0.40	1.00			1.00		
Container			250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 28		X			X		X	X	X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 19					X			X	X		X					X			X		X	X	X	X		X	X	X	X		X	X	X		X	X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 4	X			X						X			X																							
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 4	X			X						X			X																							
GRO by GC-FID (S)	All	NDPs: 0 Tests: 4			X			X						X			X																					
Metals in solid samples by OES	All	NDPs: 0 Tests: 4	X			X						X			X																							
pH	All	NDPs: 0 Tests: 4		X			X						X			X																						
Sample description	All	NDPs: 0 Tests: 4	X			X						X			X																							
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 4	X			X						X			X																							
Total Organic Carbon	All	NDPs: 0 Tests: 4	X			X						X			X																							
TPH CWG GC (S)	All	NDPs: 0 Tests: 4	X			X						X			X																							
VOC MS (S)	All	NDPs: 0 Tests: 4			X			X						X			X																					

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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
8949523	FILL 1		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8949522	FILL 2		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8949497	NCA8 FILL1		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8949493	NCA8 FILL 2		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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	FILL 1	FILL 2	NCA8 FILL1	NCA8 FILL 2		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	05/03/2014	05/03/2014	06/03/2014	06/03/2014		
			Sample Time	.	.	.	.		
			Date Received	07/03/2014	07/03/2014	07/03/2014	07/03/2014		
			SDG Ref	140307-107	140307-107	140307-107	140307-107		
			Lab Sample No.(s)	8949523	8949522	8949497	8949493		
			AGS Reference						
Moisture Content Ratio	%	PM024		13	12	12	12		
Soil Organic Matter (SOM)	<0.35 %	TM132		2.02 #	1.83 #	1.95 #	3.72 #		
pH	1 pH Units	TM133		8.24 M	8.39 M	8.18 M	8.43 M		
Arsenic	<0.6 mg/kg	TM181		20.4 M	19.8 M	18.2 M	26.1 M		
Cadmium	<0.02 mg/kg	TM181		0.852 M	0.786 M	0.779 M	0.907 M		
Chromium	<0.9 mg/kg	TM181		19.2 M	16.9 M	17.7 M	22.2 M		
Copper	<1.4 mg/kg	TM181		63.4 M	56.3 M	50 M	119 M		
Lead	<0.7 mg/kg	TM181		77.8 M	61.6 M	71.5 M	121 M		
Mercury	<0.14 mg/kg	TM181		0.185 M	0.173 M	<0.14 M	0.215 M		
Nickel	<0.2 mg/kg	TM181		33.3 M	30.1 M	31.7 M	34.2 M		
Selenium	<1 mg/kg	TM181		<1 #	1.04 #	<1 #	<1 #		
Vanadium	<0.2 mg/kg	TM181		20.2 #	18 #	17.9 #	21.9 #		
Zinc	<1.9 mg/kg	TM181		235 M	217 M	193 M	350 M		

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	FILL 1	FILL 2	NCA8 FILL1	NCA8 FILL 2		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	05/03/2014	05/03/2014	06/03/2014	06/03/2014		
			Sample Time	.	.	.	.		
			Date Received	07/03/2014	07/03/2014	07/03/2014	07/03/2014		
			SDG Ref	140307-107	140307-107	140307-107	140307-107		
			Lab Sample No.(s)	8949523	8949522	8949497	8949493		
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100		
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	FILL 1	FILL 2	NCA8 FILL1	NCA8 FILL 2		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	05/03/2014	05/03/2014	06/03/2014	06/03/2014		
			Sample Time	.	.	.	.		
			Date Received	07/03/2014	07/03/2014	07/03/2014	07/03/2014		
			SDG Ref	140307-107	140307-107	140307-107	140307-107		
			Lab Sample No.(s)	8949523	8949522	8949497	8949493		
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100		
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100		
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100		
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100		
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100		
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100		
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100		
Chrysene	<100 µg/kg	TM157		<100	<100	<100	114		
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100	163		
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100		
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100		
Phenanthrene	<100 µg/kg	TM157		<100	<100	<100	188		
Pyrene	<100 µg/kg	TM157		<100	<100	<100	147		
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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	FILL 1	FILL 2	NCA8 FILL1	NCA8 FILL 2		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	05/03/2014	05/03/2014	06/03/2014	06/03/2014		
			Sample Time	.	.	.	.		
			Date Received	07/03/2014	07/03/2014	07/03/2014	07/03/2014		
			SDG Ref	140307-107	140307-107	140307-107	140307-107		
			Lab Sample No.(s)	8949523	8949522	8949497	8949493		
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		78	74	77	82		
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		520 M	176 M	<44 M	132 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		5.75 M	<2 M	<2 M	<2 M		
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M		
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M		
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M		
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9		
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24		
Aliphatics >C5-C6	<10 µg/kg	TM089		16.1	<10	<10	<10		
Aliphatics >C6-C8	<10 µg/kg	TM089		62.1	26.2	<10	23.7		
Aliphatics >C8-C10	<10 µg/kg	TM089		79.4	36.5	<10	31.6		
Aliphatics >C10-C12	<10 µg/kg	TM089		178	47.9	<10	29.4		
Aliphatics >C12-C16	<100 µg/kg	TM173		4890	<100	<100	<100		
Aliphatics >C16-C21	<100 µg/kg	TM173		9330	<100	<100	<100		
Aliphatics >C21-C35	<100 µg/kg	TM173		21600	1840	4630	<100		
Aliphatics >C35-C44	<100 µg/kg	TM173		7480	<100	<100	<100		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		43300	1840	4630	<100		
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		57.5	25.1	<10	21.5		
Aromatics >EC10-EC12	<10 µg/kg	TM089		118	31.9	<10	19.2		
Aromatics >EC12-EC16	<100 µg/kg	TM173		2510	449	342	102		
Aromatics >EC16-EC21	<100 µg/kg	TM173		7780	1220	1070	1760		
Aromatics >EC21-EC35	<100 µg/kg	TM173		25100	8920	8660	8250		
Aromatics >EC35-EC44	<100 µg/kg	TM173		15100	14400	10700	7000		
Aromatics >EC40-EC44	<100 µg/kg	TM173		6680	9240	5540	3400		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		50500	25000	20800	17100		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		94300	27000	25400	17200		

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	FILL 1	FILL 2	NCA8 FILL1	NCA8 FILL 2		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	05/03/2014	05/03/2014	06/03/2014	06/03/2014		
			Sample Time	.	.	.	.		
			Date Received	07/03/2014	07/03/2014	07/03/2014	07/03/2014		
			SDG Ref	140307-107	140307-107	140307-107	140307-107		
			Lab Sample No.(s)	8949523	8949522	8949497	8949493		
			AGS Reference						
Dibromofluoromethane**	%	TM116		103	109	104	104		
Toluene-d8**	%	TM116		97.8	102	98.3	98.9		
4-Bromofluorobenzene**	%	TM116		129	125	128	130		
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #		
Chloromethane	<7 µg/kg	TM116		<14	<14	<14	<14		
Vinyl Chloride	<10 µg/kg	TM116		<20	<20	<20	<20		
Bromomethane	<13 µg/kg	TM116		<26 #	<26 #	<26 #	<26 #		
Chloroethane	<14 µg/kg	TM116		<28 M	<28 M	<28 M	<28 M		
Trichlorofluorormethane	<6 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		
1,1-Dichloroethene	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
Carbon Disulphide	<7 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
Dichloromethane	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22	<22	<22	<22		
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<22 #	<22 #	<22 #	<22 #		
1,1-Dichloroethane	<8 µg/kg	TM116		<16 M	<16 M	<16 M	<16 M		
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
2,2-Dichloropropane	<12 µg/kg	TM116		<24	<24	<24	<24		
Bromochloromethane	<14 µg/kg	TM116		<28 #	<28 #	<28 #	<28 #		
Chloroform	<8 µg/kg	TM116		<16 M	<16 M	<16 M	<16 M		
1,1,1-Trichloroethane	<7 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
1,1-Dichloropropene	<11 µg/kg	TM116		<22 M	<22 M	<22 M	<22 M		
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<28 M	<28 M	<28 M		
1,2-Dichloroethane	<5 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Benzene	<9 µg/kg	TM116		<18 M	<18 M	<18 M	<18 M		
Trichloroethene	<9 µg/kg	TM116		<18 M	<18 M	<18 M	<18 M		
1,2-Dichloropropane	<12 µg/kg	TM116		<24 M	<24 M	<24 M	<24 M		
Dibromomethane	<9 µg/kg	TM116		<18 #	<18 #	<18 #	<18 #		
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<28	<28	<28	<28		
Toluene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<200	<200	<200	<200		
1,1,2-Trichloroethane	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	FILL 1	FILL 2	NCA8 FILL1	NCA8 FILL 2		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	05/03/2014	05/03/2014	06/03/2014	06/03/2014		
			Sample Time	.	.	.	.		
			Date Received	07/03/2014	07/03/2014	07/03/2014	07/03/2014		
			SDG Ref	140307-107	140307-107	140307-107	140307-107		
			Lab Sample No.(s)	8949523	8949522	8949497	8949493		
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #		
Tetrachloroethene	<5 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Dibromochloromethane	<13 µg/kg	TM116		<26 #	<26 #	<26 #	<26 #		
1,2-Dibromoethane	<12 µg/kg	TM116		<24 #	<24 #	<24 #	<24 #		
Chlorobenzene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
Ethylbenzene	<4 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #		
p/m-Xylene	<14 µg/kg	TM116		<28 #	<28 #	<28 #	<28 #		
o-Xylene	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
Styrene	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
Bromoform	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
Isopropylbenzene	<5 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
1,2,3-Trichloropropane	<17 µg/kg	TM116		<34 #	<34 #	<34 #	<34 #		
Bromobenzene	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
Propylbenzene	<11 µg/kg	TM116		<22 #	<22 #	<22 #	<22 #		
2-Chlorotoluene	<9 µg/kg	TM116		<18 #	<18 #	<18 #	<18 #		
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<16 #	<16 #	<16 #	<16 #		
4-Chlorotoluene	<12 µg/kg	TM116		<24 #	<24 #	<24 #	<24 #		
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<24 #	<24 #	<24 #		
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<18 #	<18 #	<18 #	<18 #		
sec-Butylbenzene	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
4-Isopropyltoluene	<11 µg/kg	TM116		<22 #	<22 #	<22 #	<22 #		
1,3-Dichlorobenzene	<6 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		
1,4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
n-Butylbenzene	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
1,2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<24 M	<24 M	<24 M		
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 #	<28 #	<28 #	<28 #		
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<30	<30	<30		
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<24	<24	<24		
Naphthalene	<13 µg/kg	TM116		<26 #	<26 #	<26 #	<26 #		

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	FILL 1	FILL 2	NCA8 FILL1	NCA8 FILL 2		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	05/03/2014	05/03/2014	06/03/2014	06/03/2014		
			Sample Time	.	.	.	.		
			Date Received	07/03/2014	07/03/2014	07/03/2014	07/03/2014		
			SDG Ref	140307-107	140307-107	140307-107	140307-107		
			Lab Sample No.(s)	8949523	8949522	8949497	8949493		
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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	FILL 1 SOLID 05/03/2014 00:00:00 140307-107 8949523 TM048	19/3/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	FILL 2 SOLID 05/03/2014 00:00:00 140307-107 8949522 TM048	19/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA8 BASE 1 1.10 SOLID 06/03/2014 00:00:00 140307-107 8949480 TM048	19/3/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA8 BASE 2 1.10 SOLID 06/03/2014 00:00:00 140307-107 8949482 TM048	20/3/14	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	NCA8 E SOLID 06/03/2014 00:00:00 140307-107 8949488 TM048	19/3/14	Tomasz Pawlikowski	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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	NCA8 FILL1 SOLID 06/03/2014 00:00:00 140307-107 8949497 TM048	19/3/14	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	NCA8 FILL 2 SOLID 06/03/2014 00:00:00 140307-107 8949493 TM048	19/3/14	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	NCA8 N SOLID 06/03/2014 00:00:00 140307-107 8949490 TM048	19/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA8 S SOLID 06/03/2014 00:00:00 140307-107 8949515 TM048	20/3/14	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	NCA8 W SOLID 06/03/2014 00:00:00 140307-107 8949514 TM048	21/3/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 30-BASE 1 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949518 TM048	21/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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	SMS 30-BASE 2 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949521 TM048	19/3/14	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	SMS 37 BASE 1 0.40 SOLID 05/03/2014 00:00:00 140307-107 8949502 TM048	20/3/14	Tomasz Pawlikowski	Loose fibres in soil	Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 37 BASE 2 0.40 SOLID 05/03/2014 00:00:00 140307-107 8949501 TM048	21/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 44-BASE 1 0.50 SOLID 05/03/2014 00:00:00 140307-107 8949512 TM048	19/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 44-BASE 2 0.50 SOLID 05/03/2014 00:00:00 140307-107 8949510 TM048	19/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 30-E 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949486 TM048	20/3/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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	SMS 37-E SOLID 05/03/2014 00:00:00 140307-107 8949505 TM048	19/3/14	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	SMS 44-E SOLID 05/03/2014 00:00:00 140307-107 8949499 TM048	19/3/14	Tomasz Pawlikowski	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 30-N 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949520 TM048	21/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 37-N SOLID 05/03/2014 00:00:00 140307-107 8949494 TM048	19/3/14	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	SMS 44-N 0.40 SOLID 05/03/2014 00:00:00 140307-107 8949511 TM048	19/3/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 30-S 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949509 TM048	19/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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	SMS 37-S SOLID 05/03/2014 00:00:00 140307-107 8949507 TM048	20/3/14	Tomasz Pawlikowski	Soil containing loose fibres and material typical of asbestos bitumen	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 44-S SOLID 05/03/2014 00:00:00 140307-107 8949485 TM048	19/3/14	Paul Poynton	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 30-W 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949491 TM048	21/3/14	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 37 W SOLID 05/03/2014 00:00:00 140307-107 8949519 TM048	20/3/14	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	SMS 44-W SOLID 05/03/2014 00:00:00 140307-107 8949504 TM048	20/3/14	Tomasz Pawlikowski	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

Asbestos Quantification - Full

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	FILL 2 SOLID 05/03/2014 00:00:00 140307-107 8949522 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	NCA8 BASE 2 1.10 SOLID 06/03/2014 00:00:00 140307-107 8949482 TM 304	None (#)	Amphibole fibres found during PCM analysis.	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA8 E SOLID 06/03/2014 00:00:00 140307-107 8949488 TM 304	None (#)	Amphibole fibres found during PCM analysis.	<0.001 (#)	0.0012 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA8 FILL1 SOLID 06/03/2014 00:00:00 140307-107 8949497 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	NCA8 N SOLID 06/03/2014 00:00:00 140307-107 8949490 TM 304	None (#)	N/C	<0.001 (#)	0.0011 (#)	0.0015 (#)

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 30-BASE 1 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949518 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	SMS 37 BASE 1 0.40 SOLID 05/03/2014 00:00:00 140307-107 8949502 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	SMS 37 BASE 2 0.40 SOLID 05/03/2014 00:00:00 140307-107 8949501 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 44-BASE 1 0.50 SOLID 05/03/2014 00:00:00 140307-107 8949512 TM 304	None (#)	N/C	0.0011 (#)	<0.001 (#)	0.0018 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 44-BASE 2 0.50 SOLID 05/03/2014 00:00:00 140307-107 8949510 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	SMS 37-E SOLID 05/03/2014 00:00:00 140307-107 8949505 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 44-E SOLID 05/03/2014 00:00:00 140307-107 8949499 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	SMS 30-N 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949520 TM 304	None (#)	N/C	<0.001 (#)	0.0010 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 37-N SOLID 05/03/2014 00:00:00 140307-107 8949494 TM 304	None (#)	N/C	0.0037 (#)	<0.001 (#)	0.0043 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 30-S 1.00 SOLID 05/03/2014 00:00:00 140307-107 8949509 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0013 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 37-S SOLID 05/03/2014 00:00:00 140307-107 8949507 TM 304	None (#)	N/C	0.0032 (#)	<0.001 (#)	0.0038 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 44-S SOLID 05/03/2014 00:00:00 140307-107 8949485 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

		Additional Asbestos Components (Using TM048)	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM Evaluation - %	Asbestos Quantification - Total - %
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SMS 37 W SOLID 05/03/2014 00:00:00 140307-107 8949519 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	SMS 44-W SOLID 05/03/2014 00:00:00 140307-107 8949504 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	<0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
ASB_PREP				
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM 304				
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		

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

CERTIFICATE OF ANALYSIS

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8949523	8949522	8949480	8949482	8949488	8949497	8949493	8949490	8949515	8949514
Customer Sample Ref.	FILL 1	FILL 2	NCA8 BASE 1	NCA8 BASE 2	NCA8 E	NCA8 FILL1	NCA8 FILL 2	NCA8 N	NCA8 S	NCA8 W
AGS Ref.										
Depth			1.10	1.10						
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014
Asbestos Quantification - Full		20-Mar-2014		20-Mar-2014	20-Mar-2014	20-Mar-2014		20-Mar-2014		
EPH CWG (Aliphatic) GC (S)	12-Mar-2014	12-Mar-2014				12-Mar-2014	12-Mar-2014			
EPH CWG (Aromatic) GC (S)	12-Mar-2014	12-Mar-2014				12-Mar-2014	12-Mar-2014			
GRO by GC-FID (S)	11-Mar-2014	11-Mar-2014				11-Mar-2014	11-Mar-2014			
Metals in solid samples by OES	12-Mar-2014	12-Mar-2014				12-Mar-2014	14-Mar-2014			
pH	12-Mar-2014	12-Mar-2014				12-Mar-2014	12-Mar-2014			
Sample description	10-Mar-2014	10-Mar-2014				10-Mar-2014	10-Mar-2014			
Semi Volatile Organic Compounds	13-Mar-2014	13-Mar-2014				13-Mar-2014	13-Mar-2014			
Total Organic Carbon	12-Mar-2014	12-Mar-2014				12-Mar-2014	14-Mar-2014			
TPH CWG GC (S)	12-Mar-2014	12-Mar-2014				12-Mar-2014	12-Mar-2014			
VOC MS (S)	13-Mar-2014	13-Mar-2014				13-Mar-2014	13-Mar-2014			

Lab Sample No(s)	8949502	8949501	8949518	8949521	8949512	8949510	8949486	8949505	8949499	8949520
Customer Sample Ref.	SMS 37 BASE 1	SMS 37 BASE 2	SMS 30-BASE 1	SMS 30-BASE 2	SMS 44-BASE 1	SMS 44-BASE 2	SMS 30-E	SMS 37-E	SMS 44-E	SMS 30-N
AGS Ref.										
Depth	0.40	0.40	1.00	1.00	0.50	0.50	1.00			1.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014
Asbestos Quantification - Full	21-Mar-2014	21-Mar-2014	21-Mar-2014		20-Mar-2014	20-Mar-2014		21-Mar-2014	20-Mar-2014	21-Mar-2014

Lab Sample No(s)	8949519	8949494	8949511	8949509	8949507	8949485	8949491	8949504
Customer Sample Ref.	SMS 37 W	SMS 37-N	SMS 44-N	SMS 30-S	SMS 37-S	SMS 44-S	SMS 30-W	SMS 44-W
AGS Ref.								
Depth			0.40	1.00			1.00	
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014	21-Mar-2014
Asbestos Quantification - Full	20-Mar-2014	20-Mar-2014		20-Mar-2014	20-Mar-2014	20-Mar-2014		20-Mar-2014

SDG:	140307-107	**Location:**	Coed Darcy	**Order Number:**	CD0628
Job:	H_ATKINS_LDC-207	**Customer:**	Atkins Global Ltd	**Report Number:**	264037
Client Reference:	Asbestos Test	**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: Adam Putt

CERTIFICATE OF ANALYSIS

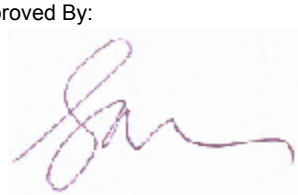
Date:	27 March 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	140315-18
Your Reference:	NCA
Location:	Coed Darcy
Report No:	264639

We received 8 samples on Saturday March 15, 2014 and 8 of these samples were scheduled for analysis which was completed on Thursday March 27, 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:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8988113	NCA4 BASE1		0.50	14/03/2014
8988114	NCA4 BASE2		0.50	14/03/2014
8995256	NCA4 E		0.30	14/03/2014
8988115	NCA4 FILL1		0.00 - 0.00	14/03/2014
8988116	NCA4 FILL2		0.00 - 0.00	14/03/2014
8988110	NCA4 N		0.30	14/03/2014
8988111	NCA4 S		0.30	14/03/2014
8988112	NCA4 W		0.30	14/03/2014

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

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			898113	NCA4 BASE1		0.50	400g Tub (ALE214)
			898114	NCA4 BASE2		0.50	400g Tub (ALE214)
			899256	NCA4 E		0.30	400g Tub (ALE214)
			898115	NCA4 FILL1		0.00 - 0.00	400g Tub (ALE214)
			898116	NCA4 FILL2		0.00 - 0.00	60g VOC (ALE215)
			898110	NCA4 N		0.30	250g Amber Jar (AL
			898111	NCA4 S		0.30	400g Tub (ALE214)
			898112	NCA4 W		0.30	60g VOC (ALE215)
							400g Tub (ALE214)
							400g Tub (ALE214)
							400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 8	X	X	X	X	X	X	X	X	X	X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 2		X							X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 2				X		X				
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 2				X		X				
GRO by GC-FID (S)	All	NDPs: 0 Tests: 2					X		X			
Metals in solid samples by OES	All	NDPs: 0 Tests: 2				X		X				
Sample description	All	NDPs: 0 Tests: 8	X	X	X	X		X		X	X	X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 2				X		X				
Total Organic Carbon	All	NDPs: 0 Tests: 2				X		X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 2				X		X				
VOC MS (S)	All	NDPs: 0 Tests: 2					X		X			

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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
8988113	NCA4 BASE1	0.50	Dark Brown	Ballast	> 10 mm	Stones	N/A
8988114	NCA4 BASE2	0.50	Dark Brown	Ballast	> 10 mm	Stones	N/A
8995256	NCA4 E	0.30	Dark Brown	Ballast	> 10 mm	Stones	N/A
8988115	NCA4 FILL1	0.00 - 0.00	Dark Brown	Ballast	> 10 mm	Stones	N/A
8988116	NCA4 FILL2	0.00 - 0.00	Dark Brown	Ballast	> 10 mm	Stones	N/A
8988110	NCA4 N	0.30	Dark Brown	Ballast	> 10 mm	Stones	N/A
8988111	NCA4 S	0.30	Dark Brown	Ballast	> 10 mm	Stones	N/A
8988112	NCA4 W	0.30	Dark Brown	Ballast	> 10 mm	Stones	N/A

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA4 BASE1	NCA4 BASE2	NCA4 E	NCA4 FILL1	NCA4 FILL2	NCA4 N
			Depth (m)	0.50	0.50	0.30	0.00 - 0.00	0.00 - 0.00	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	14/03/2014	14/03/2014	14/03/2014	14/03/2014	14/03/2014	14/03/2014
			Sample Time	.	.	.	.	.	.
			Date Received	15/03/2014	15/03/2014	15/03/2014	15/03/2014	15/03/2014	15/03/2014
			SDG Ref	140315-18	140315-18	140315-18	140315-18	140315-18	140315-18
			Lab Sample No.(s)	8988113	8988114	8995256	8988115	8988116	8988110
			AGS Reference						
Moisture Content Ratio	%	PM024		2.7	2	1.2	3.3	2.5	3.7
Soil Organic Matter (SOM)	<0.35 %	TM132					1.31 #	0.771 #	
Arsenic	<0.6 mg/kg	TM181					6.39 #	7.63 #	
Cadmium	<0.02 mg/kg	TM181					0.278 #	0.272 #	
Chromium	<0.9 mg/kg	TM181					14.4 #	17.8 #	
Copper	<1.4 mg/kg	TM181					10.5 #	13 #	
Lead	<0.7 mg/kg	TM181					15.9 #	19 #	
Mercury	<0.14 mg/kg	TM181					0.197 #	<0.14 #	
Nickel	<0.2 mg/kg	TM181					33.4 #	41.6 #	
Selenium	<1 mg/kg	TM181					<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181					14.1 #	16.5 #	
Zinc	<1.9 mg/kg	TM181					69.5 #	72.4 #	

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA4 S	NCA4 W				
			Depth (m)	0.30	0.30				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	14/03/2014	14/03/2014				
			Sample Time	.	.				
			Date Received	15/03/2014	15/03/2014				
			SDG Ref	140315-18	140315-18				
			Lab Sample No.(s)	8988111	8988112				
			AGS Reference						
Moisture Content Ratio	%	PM024		2.5	0.8				

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA4 FILL1	NCA4 FILL2				
			Depth (m)	0.00 - 0.00	0.00 - 0.00				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	14/03/2014	14/03/2014				
			Sample Time	.	.				
			Date Received	15/03/2014	15/03/2014				
			SDG Ref	140315-18	140315-18				
			Lab Sample No.(s)	8988115	8988116				
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100				
Pentachlorophenol	<100 µg/kg	TM157		<100	<100				
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100				
Nitrobenzene	<100 µg/kg	TM157		<100	<100				
Isophorone	<100 µg/kg	TM157		<100	<100				
Hexachloroethane	<100 µg/kg	TM157		<100	<100				
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100				
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100				
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100				
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100				
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100				
Diethyl phthalate	<100 µg/kg	TM157		<100	<100				
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100				
Dibenzofuran	<100 µg/kg	TM157		<100	<100				
Carbazole	<100 µg/kg	TM157		<100	<100				
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100				
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100				
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100				
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100				
Azobenzene	<100 µg/kg	TM157		<100	<100				
4-Nitrophenol	<100 µg/kg	TM157		<100	<100				
4-Nitroaniline	<100 µg/kg	TM157		<100	<100				
4-Methylphenol	<100 µg/kg	TM157		<100	<100				
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100				
4-Chloroaniline	<100 µg/kg	TM157		<100	<100				
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100				
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100				
3-Nitroaniline	<100 µg/kg	TM157		<100	<100				
2-Nitrophenol	<100 µg/kg	TM157		<100	<100				
2-Nitroaniline	<100 µg/kg	TM157		<100	<100				
2-Methylphenol	<100 µg/kg	TM157		<100	<100				
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100				

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA4 FILL1	NCA4 FILL2				
			Depth (m)	0.00 - 0.00	0.00 - 0.00				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	14/03/2014	14/03/2014				
			Sample Time	.	.				
			Date Received	15/03/2014	15/03/2014				
			SDG Ref	140315-18	140315-18				
			Lab Sample No.(s)	8988115	8988116				
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100				
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100				
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100				
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100				
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100				
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100				
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100				
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100				
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100				
2-Methylnaphthalene	<100 µg/kg	TM157		113	107				
Acenaphthylene	<100 µg/kg	TM157		<100	<100				
Acenaphthene	<100 µg/kg	TM157		<100	<100				
Anthracene	<100 µg/kg	TM157		<100	<100				
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100				
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100				
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100				
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100				
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100				
Chrysene	<100 µg/kg	TM157		<100	151				
Fluoranthene	<100 µg/kg	TM157		<100	117				
Fluorene	<100 µg/kg	TM157		<100	<100				
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100				
Phenanthrene	<100 µg/kg	TM157		173	205				
Pyrene	<100 µg/kg	TM157		<100	143				
Naphthalene	<100 µg/kg	TM157		<100	<100				
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100				

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA4 FILL1	NCA4 FILL2				
			Depth (m)	0.00 - 0.00	0.00 - 0.00				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	14/03/2014	14/03/2014				
			Sample Time	.	.				
			Date Received	15/03/2014	15/03/2014				
			SDG Ref	140315-18	140315-18				
			Lab Sample No.(s)	8988115	8988116				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		33	45				
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		186 #	352 #				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #				
Benzene	<10 µg/kg	TM089		<10 #	<10 #				
Toluene	<2 µg/kg	TM089		6.2 #	6.16 #				
Ethylbenzene	<3 µg/kg	TM089		3.1 #	4.1 #				
m,p-Xylene	<6 µg/kg	TM089		6.2 #	7.18 #				
o-Xylene	<3 µg/kg	TM089		<3 #	<3 #				
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		19.6	26.7				
Aliphatics >C6-C8	<10 µg/kg	TM089		60	115				
Aliphatics >C8-C10	<10 µg/kg	TM089		26.9	52.3				
Aliphatics >C10-C12	<10 µg/kg	TM089		24.8	60.5				
Aliphatics >C12-C16	<100 µg/kg	TM173		4430	924				
Aliphatics >C16-C21	<100 µg/kg	TM173		11200	5610				
Aliphatics >C21-C35	<100 µg/kg	TM173		26500	19300				
Aliphatics >C35-C44	<100 µg/kg	TM173		10200	3780				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		52300	29600				
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		30	47.2				
Aromatics >EC10-EC12	<10 µg/kg	TM089		16.5	41				
Aromatics >EC12-EC16	<100 µg/kg	TM173		1620	2510				
Aromatics >EC16-EC21	<100 µg/kg	TM173		5790	6980				
Aromatics >EC21-EC35	<100 µg/kg	TM173		27400	42300				
Aromatics >EC35-EC44	<100 µg/kg	TM173		14300	3360				
Aromatics >EC40-EC44	<100 µg/kg	TM173		5700	5380				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		49100	55100				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		102000	85100				

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA4 FILL1	NCA4 FILL2				
			Depth (m)	0.00 - 0.00	0.00 - 0.00				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	14/03/2014	14/03/2014				
			Sample Time	.	.				
			Date Received	15/03/2014	15/03/2014				
			SDG Ref	140315-18	140315-18				
			Lab Sample No.(s)	8988115	8988116				
			AGS Reference						
Dibromofluoromethane**	%	TM116		101	102				
Toluene-d8**	%	TM116		101	99.1				
4-Bromofluorobenzene**	%	TM116		106	114				
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 #	<80 #				
Chloromethane	<7 µg/kg	TM116		<140	<140				
Vinyl Chloride	<10 µg/kg	TM116		<200	<200				
Bromomethane	<13 µg/kg	TM116		<260 #	<260 #				
Chloroethane	<14 µg/kg	TM116		<280 #	<280 #				
Trichlorofluorormethane	<6 µg/kg	TM116		<120 #	<120 #				
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #				
Carbon Disulphide	<7 µg/kg	TM116		<140 #	<140 #				
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #				
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220	<220				
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 #	<220 #				
1,1-Dichloroethane	<8 µg/kg	TM116		<160 #	<160 #				
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 #	<100 #				
2,2-Dichloropropane	<12 µg/kg	TM116		<240	<240				
Bromochloromethane	<14 µg/kg	TM116		<280 #	<280 #				
Chloroform	<8 µg/kg	TM116		<160 #	<160 #				
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 #	<140 #				
1,1-Dichloropropene	<11 µg/kg	TM116		<220 #	<220 #				
Carbontetrachloride	<14 µg/kg	TM116		<280 #	<280 #				
1,2-Dichloroethane	<5 µg/kg	TM116		<100 #	<100 #				
Benzene	<9 µg/kg	TM116		<180 #	<180 #				
Trichloroethene	<9 µg/kg	TM116		<180 #	<180 #				
1,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 #				
Dibromomethane	<9 µg/kg	TM116		<180 #	<180 #				
Bromodichloromethane	<7 µg/kg	TM116		<140 #	<140 #				
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280	<280				
Toluene	<5 µg/kg	TM116		<100 #	<100 #				
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000				
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 #	<200 #				

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA4 FILL1	NCA4 FILL2				
			Depth (m)	0.00 - 0.00	0.00 - 0.00				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	14/03/2014	14/03/2014				
			Sample Time	.	.				
			Date Received	15/03/2014	15/03/2014				
			SDG Ref	140315-18	140315-18				
			Lab Sample No.(s)	8988115	8988116				
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #				
Tetrachloroethene	<5 µg/kg	TM116		<100 #	<100 #				
Dibromochloromethane	<13 µg/kg	TM116		<260 #	<260 #				
1,2-Dibromoethane	<12 µg/kg	TM116		<240 #	<240 #				
Chlorobenzene	<5 µg/kg	TM116		<100 #	<100 #				
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #				
Ethylbenzene	<4 µg/kg	TM116		<80 #	<80 #				
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #				
o-Xylene	<10 µg/kg	TM116		<200 #	<200 #				
Styrene	<10 µg/kg	TM116		<200 #	<200 #				
Bromoform	<10 µg/kg	TM116		<200 #	<200 #				
Isopropylbenzene	<5 µg/kg	TM116		<100 #	<100 #				
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #				
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 #	<340 #				
Bromobenzene	<10 µg/kg	TM116		<200 #	<200 #				
Propylbenzene	<11 µg/kg	TM116		<220 #	<220 #				
2-Chlorotoluene	<9 µg/kg	TM116		<180 #	<180 #				
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #				
4-Chlorotoluene	<12 µg/kg	TM116		<240 #	<240 #				
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #				
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #				
sec-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 #				
4-Isopropyltoluene	<11 µg/kg	TM116		<220 #	<220 #				
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #				
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 #	<100 #				
n-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 #				
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 #	<240 #				
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 #	<280 #				
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300				
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #				
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240				
Naphthalene	<13 µg/kg	TM116		<260 #	<260 #				

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA4 FILL1	NCA4 FILL2			
			Depth (m)	0.00 - 0.00	0.00 - 0.00			
			Sample Type	Soil/Solid	Soil/Solid			
			Date Sampled	14/03/2014	14/03/2014			
			Sample Time	.	.			
			Date Received	15/03/2014	15/03/2014			
			SDG Ref	140315-18	140315-18			
			Lab Sample No.(s)	8988115	8988116			
			AGS Reference					
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #			

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA4 BASE1 0.50 SOLID 14/03/2014 00:00:00 140315-18 8988113 TM048	20/3/14	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	NCA4 BASE2 0.50 SOLID 14/03/2014 00:00:00 140315-18 8988114 TM048	20/3/14	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	NCA4 E 0.30 SOLID 14/03/2014 00:00:00 140315-18 8995256 TM048	20/3/14	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	NCA4 FILL1 0.00 - 0.00 SOLID 14/03/2014 00:00:00 140315-18 8988115 TM048	21/3/14	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	NCA4 FILL2 0.00 - 0.00 SOLID 14/03/2014 00:00:00 140315-18 8988116 TM048	21/3/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA4 N 0.30 SOLID 14/03/2014 00:00:00 140315-18 8988110 TM048	20/3/14	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	NCA4 S 0.30 SOLID 14/03/2014 00:00:00 140315-18 8988111 TM048	20/3/14	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	NCA4 W 0.30 SOLID 14/03/2014 00:00:00 140315-18 8988112 TM048	20/3/14	Laura Robbins	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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	NCA4 BASE2 0.50 SOLID 14/03/2014 00:00:00 140315-18 8988114 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	NCA4 S 0.30 SOLID 14/03/2014 00:00:00 140315-18 8988111 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.001 (#)

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		

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

CERTIFICATE OF ANALYSIS

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8988113	8988114	8995256	8988115	8988116	8988110	8988111	8988112
Customer Sample Ref.	NCA4 BASE1	NCA4 BASE2	NCA4 E	NCA4 FILL1	NCA4 FILL2	NCA4 N	NCA4 S	NCA4 W
AGS Ref.								
Depth	0.50	0.50	0.30	0.00 - 0.00	0.00 - 0.00	0.30	0.30	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	20-Mar-2014	20-Mar-2014	20-Mar-2014	21-Mar-2014	21-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014
Asbestos Quantification - Full		27-Mar-2014					27-Mar-2014	
EPH CWG (Aliphatic) GC (S)				21-Mar-2014	21-Mar-2014			
EPH CWG (Aromatic) GC (S)				21-Mar-2014	21-Mar-2014			
GRO by GC-FID (S)				23-Mar-2014	23-Mar-2014			
Metals in solid samples by OES				25-Mar-2014	25-Mar-2014			
Sample description	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014	20-Mar-2014
Semi Volatile Organic Compounds				21-Mar-2014	21-Mar-2014			
Total Organic Carbon				24-Mar-2014	24-Mar-2014			
TPH CWG GC (S)				23-Mar-2014	23-Mar-2014			
VOC MS (S)				21-Mar-2014	21-Mar-2014			

SDG:	140315-18	**Location:**	Coed Darcy	**Order Number:**	CD0633
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	264639
Client Reference:	NCA	**Attention:**	Adam Putt	**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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Llandarcy
SA10 6HJ

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	30 October 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	141013-26
Your Reference:	NCA
Location:	Coed Darcy
Report No:	290074

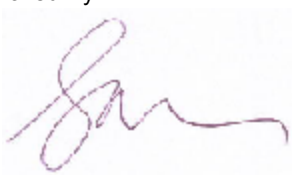
This report has been revised and directly supersedes 289424 in its entirety.

We received 4 samples on Monday October 13, 2014 and 4 of these samples were scheduled for analysis which was completed on Sunday October 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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CERTIFICATE OF ANALYSIS

SDG:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10174856	NCA_2 12 E		0.30	10/10/2014
10174852	NCA_2 12 N		0.30	10/10/2014
10174861	NCA_2 12 S		0.30	10/10/2014
10174865	NCA_2 12 W		0.30	10/10/2014

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

CERTIFICATE OF ANALYSIS

SDG:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			10174856	NCA_2 12 E		0.30	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174852	NCA_2 12 N		0.30	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174861	NCA_2 12 S		0.30	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174865	NCA_2 12 W		0.30	250g Amber Jar
							400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 4					X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 4	X	X	X	X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 4	X	X	X	X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 4					X
Metals in solid samples by OES	All	NDPs: 0 Tests: 4	X	X	X	X	
PAH by GCMS	All	NDPs: 0 Tests: 4	X	X	X	X	
pH	All	NDPs: 0 Tests: 4					X
Sample description	All	NDPs: 0 Tests: 4	X	X	X	X	
Total Organic Carbon	All	NDPs: 0 Tests: 4	X	X	X	X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 4	X	X	X	X	

CERTIFICATE OF ANALYSIS

SDG:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

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
10174856	NCA_2 12 E	0.30	Beige	Loamy Sand	0.1 - 2 mm	Crushed Brick	Stones
10174852	NCA_2 12 N	0.30	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Vegetation
10174861	NCA_2 12 S	0.30	Beige	Sand	0.1 - 2 mm	Crushed Brick	Stones
10174865	NCA_2 12 W	0.30	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Plastic

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:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	NCA_2 12 E	NCA_2 12 N	NCA_2 12 S	NCA_2 12 W		
			Depth (m)	0.30	0.30	0.30	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014		
			Sample Time	.	.	.	.		
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014		
			SDG Ref	141013-26	141013-26	141013-26	141013-26		
			Lab Sample No.(s)	10174856	10174852	10174861	10174865		
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.8	6.4	10	8		
Soil Organic Matter (SOM)	<0.35 %	TM132		2.52 #	1.05 #	2 #	1.86 #		
pH	1 pH Units	TM133		11.7 M	11.6 M	11.9 M	11.8 M		
Arsenic	<0.6 mg/kg	TM181		14.9 M	14.5 M	19.5 M	16.3 M		
Cadmium	<0.02 mg/kg	TM181		0.327 M	0.268 M	0.323 M	0.281 M		
Chromium	<0.9 mg/kg	TM181		30.9 M	12.9 M	13.3 M	12.7 M		
Copper	<1.4 mg/kg	TM181		28.2 M	29.4 M	31.3 M	30.6 M		
Lead	<0.7 mg/kg	TM181		136 M	132 M	83.3 M	81.9 M		
Mercury	<0.14 mg/kg	TM181		0.361 M	0.454 M	0.671 M	0.569 M		
Nickel	<0.2 mg/kg	TM181		18.7 M	20.5 M	17.7 M	19.6 M		
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #		
Vanadium	<0.2 mg/kg	TM181		28.1 #	15.2 #	16.9 #	16.5 #		
Zinc	<1.9 mg/kg	TM181		216 M	291 M	212 M	182 M		

CERTIFICATE OF ANALYSIS

SDG:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

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.	NCA_2 12 E	NCA_2 12 N	NCA_2 12 S	NCA_2 12 W		
			Depth (m)	0.30	0.30	0.30	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014		
			Sample Time	.	.	.	.		
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014		
			SDG Ref	141013-26	141013-26	141013-26	141013-26		
			Lab Sample No.(s)	10174856	10174852	10174861	10174865		
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		98.1	95.6	97	88		
Acenaphthene-d10 % recovery**	%	TM218		96.9	95.2	97	79		
Phenanthrene-d10 % recovery**	%	TM218		98.7	94.8	98.2	75.9		
Chrysene-d12 % recovery**	%	TM218		93.7	94.5	95.2	80.8		
Perylene-d12 % recovery**	%	TM218		99.3	101	101	91.7		
Naphthalene	<9 µg/kg	TM218		103 M	56.7 M	79.1 M	26.6 M		
Acenaphthylene	<12 µg/kg	TM218		63.5 M	22.5 M	36.1 M	<12 M		
Acenaphthene	<8 µg/kg	TM218		59.8 M	41.5 M	35.6 M	13.3 M		
Fluorene	<10 µg/kg	TM218		164 M	42.3 M	41.8 M	21 M		
Phenanthrene	<15 µg/kg	TM218		961 M	311 M	295 M	143 M		
Anthracene	<16 µg/kg	TM218		409 M	77.4 M	107 M	36.7 M		
Fluoranthene	<17 µg/kg	TM218		998 M	545 M	831 M	235 M		
Pyrene	<15 µg/kg	TM218		817 M	476 M	708 M	212 M		
Benz(a)anthracene	<14 µg/kg	TM218		473 M	302 M	494 M	152 M		
Chrysene	<10 µg/kg	TM218		433 M	275 M	444 M	166 M		
Benzo(b)fluoranthene	<15 µg/kg	TM218		632 M	410 M	774 M	191 M		
Benzo(k)fluoranthene	<14 µg/kg	TM218		240 M	152 M	214 M	110 M		
Benzo(a)pyrene	<15 µg/kg	TM218		452 M	297 M	478 M	195 M		
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		246 M	187 M	315 M	132 M		
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		93.5 M	69 M	127 M	52.8 M		
Benzo(g,h,i)perylene	<24 µg/kg	TM218		298 M	230 M	374 M	158 M		
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		6440	3490	5350	1840		

CERTIFICATE OF ANALYSIS

SDG:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	NCA_2 12 E	NCA_2 12 N	NCA_2 12 S	NCA_2 12 W		
			Depth (m)	0.30	0.30	0.30	0.30		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014		
			Sample Time	.	.	.	.		
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014		
			SDG Ref	141013-26	141013-26	141013-26	141013-26		
			Lab Sample No.(s)	10174856	10174852	10174861	10174865		
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		83	87	99	89		
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 M	444 M	<176 M	<176 M		
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 M	<20 M	<20 M	<20 M		
Benzene	<10 µg/kg	TM089		<40 M	<40 M	<40 M	<40 M		
Toluene	<2 µg/kg	TM089		<8 M	<8 M	<8 M	<8 M		
Ethylbenzene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 M		
m,p-Xylene	<6 µg/kg	TM089		<24 M	<24 M	<24 M	<24 M		
o-Xylene	<3 µg/kg	TM089		<12 M	<12 M	<12 M	<12 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		<40	<40	<40	<40		
Aliphatics >C6-C8	<10 µg/kg	TM089		<40	55.5	<40	<40		
Aliphatics >C8-C10	<10 µg/kg	TM089		<40	52.3	<40	<40		
Aliphatics >C10-C12	<10 µg/kg	TM089		<40	158	<40	<40		
Aliphatics >C12-C16	<100 µg/kg	TM173		13700	21600	22000	18900		
Aliphatics >C16-C21	<100 µg/kg	TM173		37300	55500	60600	47600		
Aliphatics >C21-C35	<100 µg/kg	TM173		98500	154000	209000	163000		
Aliphatics >C35-C44	<100 µg/kg	TM173		44900	70400	91000	61300		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		194000	302000	383000	291000		
Aromatics >EC5-EC7	<10 µg/kg	TM089		<40	<40	<40	<40		
Aromatics >EC7-EC8	<10 µg/kg	TM089		<40	<40	<40	<40		
Aromatics >EC8-EC10	<10 µg/kg	TM089		<40	54.5	<40	<40		
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40	106	<40	<40		
Aromatics >EC12-EC16	<100 µg/kg	TM173		1480	1910	2470	2120		
Aromatics >EC16-EC21	<100 µg/kg	TM173		8760	14100	14500	13300		
Aromatics >EC21-EC35	<100 µg/kg	TM173		43100	81100	85200	76000		
Aromatics >EC35-EC44	<100 µg/kg	TM173		32300	67600	65300	52700		
Aromatics >EC40-EC44	<100 µg/kg	TM173		14600	31300	29100	23100		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		85600	165000	167000	144000		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		280000	467000	550000	435000		

CERTIFICATE OF ANALYSIS

SDG:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

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	NCA_2 12 E 0.30 SOLID 10/10/2014 00:00:00 16/10/2014 06:45:51 141013-26 10174856 TM048	23/10/14	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	NCA_2 12 N 0.30 SOLID 10/10/2014 00:00:00 16/10/2014 04:58:22 141013-26 10174852 TM048	23/10/14	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	NCA_2 12 S 0.30 SOLID 10/10/2014 00:00:00 16/10/2014 07:31:45 141013-26 10174861 TM048	23/10/14	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	NCA_2 12 W 0.30 SOLID 10/10/2014 00:00:00 16/10/2014 04:56:26 141013-26 10174865 TM048	23/10/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

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:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

Test Completion Dates

Lab Sample No(s)	10174856	10174852	10174861	10174865
Customer Sample Ref.	NCA_2 12 E	NCA_2 12 N	NCA_2 12 S	NCA_2 12 W
AGS Ref.				
Depth	0.30	0.30	0.30	0.30
Type	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	24-Oct-2014	24-Oct-2014	24-Oct-2014	24-Oct-2014
EPH CWG (Aliphatic) GC (S)	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
EPH CWG (Aromatic) GC (S)	21-Oct-2014	21-Oct-2014	21-Oct-2014	21-Oct-2014
GRO by GC-FID (S)	24-Oct-2014	24-Oct-2014	24-Oct-2014	24-Oct-2014
Metals in solid samples by OES	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014
PAH by GCMS	24-Oct-2014	24-Oct-2014	24-Oct-2014	26-Oct-2014
pH	22-Oct-2014	21-Oct-2014	22-Oct-2014	21-Oct-2014
Sample description	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014
Total Organic Carbon	22-Oct-2014	22-Oct-2014	22-Oct-2014	22-Oct-2014
TPH CWG GC (S)	24-Oct-2014	24-Oct-2014	24-Oct-2014	24-Oct-2014

SDG:	141013-26	**Location:**	Coed Darcy	**Order Number:**	CD0892
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	290074
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	289424

Appendix

General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

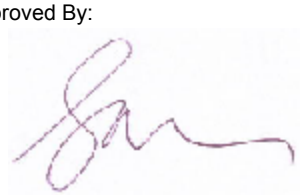
Date:	28 October 2014
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	141013-27
Your Reference:	NCA
Location:	Coed Darcy
Report No:	289751

We received 12 samples on Monday October 13, 2014 and 12 of these samples were scheduled for analysis which was completed on Tuesday October 28, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
10174885	NCA_2 4		0.20	10/10/2014
10174903	NCA_2 4		0.60	10/10/2014
10174929	NCA_2 12		0.30	10/10/2014
10174925	NCA_2 4 E		0.20	10/10/2014
10174907	NCA_2 4 N		0.30	10/10/2014
10174912	NCA_2 4 S		0.20	10/10/2014
10174921	NCA_2 4 W		0.30	10/10/2014
10174938	VAL_2 14 E		0.30	10/10/2014
10174890	VAL_2 15 E		0.40	10/10/2014
10174934	VAL_2 14 S		0.40	10/10/2014
10174895	VAL_2 15 W		0.40	10/10/2014
10174899	VAL_2 16 W		0.30	10/10/2014

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

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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
			10174885	NCA_2 4		0.20	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174903	NCA_2 4		0.60	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174929	NCA_2 12		0.30	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174925	NCA_2 4 E		0.20	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174907	NCA_2 4 N		0.30	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174912	NCA_2 4 S		0.20	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174921	NCA_2 4 W		0.30	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174938	VAL_2 14 E		0.30	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174890	VAL_2 15 E		0.40	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174934	VAL_2 14 S		0.40	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174895	VAL_2 15 W		0.40	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			10174899	VAL_2 16 W		0.30	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 12		X			X X X X X X X X X X X X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 12	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: 12	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: 12		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: 12	X	X	X	X	X X X X X X X X X X X X
PAH by GCMS	All	NDPs: 0 Tests: 12	X	X	X	X	X X X X X X X X X X X X
pH	All	NDPs: 0 Tests: 12		X	X	X	X X X X X X X X X X X X
Sample description	All	NDPs: 0 Tests: 12	X	X	X	X	X X X X X X X X X X X X
Total Organic Carbon	All	NDPs: 0 Tests: 4	X				X X X X
TPH CWG GC (S)	All	NDPs: 0 Tests: 12	X	X	X	X	X X X X X X X X X X X X

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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
10174885	NCA_2 4	0.20	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10174903	NCA_2 4	0.60	Dark Brown	Sand	0.1 - 2 mm	Stones	None
10174929	NCA_2 12	0.30	Beige	Sand	0.1 - 2 mm	Crushed Brick	Stones
10174925	NCA_2 4 E	0.20	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10174907	NCA_2 4 N	0.30	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10174912	NCA_2 4 S	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
10174921	NCA_2 4 W	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
10174938	VAL_2 14 E	0.30	Dark Brown	Stone/Soil	0.1 - 2 mm	Stones	None
10174890	VAL_2 15 E	0.40	Beige	Loamy Sand	0.1 - 2 mm	Crushed Brick	Stones
10174934	VAL_2 14 S	0.40	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
10174895	VAL_2 15 W	0.40	Dark Brown	Stone/Soil	0.1 - 2 mm	Stones	None
10174899	VAL_2 16 W	0.30	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:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	NCA_2 4	NCA_2 4	NCA_2 12	NCA_2 4 E	NCA_2 4 N	NCA_2 4 S
			Depth (m)	0.20	0.60	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014
			SDG Ref	141013-27	141013-27	141013-27	141013-27	141013-27	141013-27
			Lab Sample No.(s)	10174885	10174903	10174929	10174925	10174907	10174912
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		8.5	7	8.7	8.7	9	8
Soil Organic Matter (SOM)	<0.35 %	TM132		1.97 #					
pH	1 pH Units	TM133		11.3 M	11.2 M	11.7 M	10.2 M	11.4 M	10.9 M
Arsenic	<0.6 mg/kg	TM181		8.84 M	11.3 M	18.4 M	12.9 M	8.97 M	7.4 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.0785 M	0.226 M	0.0322 M	0.0278 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		15 M	17.5 M	13.3 M	14.8 M	14 M	15.4 M
Copper	<1.4 mg/kg	TM181		16.8 M	26 M	57.3 M	18.4 M	89.9 M	15.1 M
Lead	<0.7 mg/kg	TM181		24.2 M	39 M	113 M	32.1 M	28.9 M	24 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.253 M	0.652 M	0.149 M	0.264 M	0.291 M
Nickel	<0.2 mg/kg	TM181		36.5 M	29.9 M	16.7 M	28.9 M	27.1 M	33.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.7 #	17.4 #	19.9 #	15.2 #	16.1 #	15.3 #
Zinc	<1.9 mg/kg	TM181		96.9 M	130 M	338 M	107 M	103 M	102 M

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	NCA_2 4 W	VAL_2 14 E	VAL_2 15 E	VAL_2 14 S	VAL_2 15 W	VAL_2 16 W
			Depth (m)	0.30	0.30	0.40	0.40	0.40	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014
			SDG Ref	141013-27	141013-27	141013-27	141013-27	141013-27	141013-27
			Lab Sample No.(s)	10174921	10174938	10174890	10174934	10174895	10174899
			AGS Reference						
Moisture Content Ratio (% of as received sample)	%	PM024		7.8	8.5	8.7	6.3	8.2	7.8
Soil Organic Matter (SOM)	<0.35 %	TM132		1.34 #	1.55 #				2.33 #
pH	1 pH Units	TM133		8.97 M	11.9 #	8.52 M	11.9 M	9.73 #	8.82 M
Arsenic	<0.6 mg/kg	TM181		8.37 M	9.42 #	15.5 M	18.1 M	11.4 #	8.84 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.069 #	0.203 M	0.232 M	0.0497 #	<0.02 M
Chromium	<0.9 mg/kg	TM181		16.1 M	12.1 #	17.2 M	13 M	11.9 #	16 M
Copper	<1.4 mg/kg	TM181		28.2 M	34.8 #	45.4 M	53.3 M	23.2 #	16.6 M
Lead	<0.7 mg/kg	TM181		24.5 M	37.9 #	65.2 M	75.1 M	22.6 #	23.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 #	0.212 M	0.755 M	0.191 #	<0.14 M
Nickel	<0.2 mg/kg	TM181		37 M	21.9 #	43.7 M	15.5 M	20.3 #	40.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.7 #	15 #	19.8 #	17 #	14.4 #	16 #
Zinc	<1.9 mg/kg	TM181		108 M	147 #	140 M	254 M	82.8 #	94.4 M

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	NCA_2 4	NCA_2 4	NCA_2 12	NCA_2 4 E	NCA_2 4 N	NCA_2 4 S
			Depth (m)	0.20	0.60	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014
			SDG Ref	141013-27	141013-27	141013-27	141013-27	141013-27	141013-27
			Lab Sample No.(s)	10174885	10174903	10174929	10174925	10174907	10174912
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		93	90.2	90.3	92	91.7	90.3
Acenaphthene-d10 % recovery**	%	TM218		93.2	89.7	91.3	90	92.1	90.2
Phenanthrene-d10 % recovery**	%	TM218		91.6	88	89.9	88.8	91.6	88.7
Chrysene-d12 % recovery**	%	TM218		84.7	81.8	84.7	81.8	84.4	82.6
Perylene-d12 % recovery**	%	TM218		90.1	89.4	89.5	89.8	89.7	87.2
Naphthalene	<9 µg/kg	TM218		45.3 @ M	44.7 @ M	91.5 @ M	45.3 @ M	46.1 @ M	63.6 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	<12 @ M	62.5 @ M	<12 @ M	<12 @ M	<12 @ M
Acenaphthene	<8 µg/kg	TM218		<8 @ M	21.5 @ M	56.9 @ M	12.6 @ M	15.5 @ M	23.3 @ M
Fluorene	<10 µg/kg	TM218		22.2 @ M	31.4 @ M	68.4 @ M	24.7 @ M	28.4 @ M	35.9 @ M
Phenanthrene	<15 µg/kg	TM218		205 @ M	255 @ M	514 @ M	178 @ M	183 @ M	264 @ M
Anthracene	<16 µg/kg	TM218		25.4 @ M	53.1 @ M	142 @ M	29.2 @ M	30.3 @ M	41.4 @ M
Fluoranthene	<17 µg/kg	TM218		158 @ M	386 @ M	944 @ M	193 @ M	204 @ M	276 @ M
Pyrene	<15 µg/kg	TM218		152 @ M	331 @ M	883 @ M	183 @ M	204 @ M	274 @ M
Benz(a)anthracene	<14 µg/kg	TM218		73.6 @ M	192 @ M	521 @ M	137 @ M	103 @ M	139 @ M
Chrysene	<10 µg/kg	TM218		124 @ M	210 @ M	522 @ M	178 @ M	149 @ M	197 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		148 @ M	342 @ M	741 @ M	374 @ M	196 @ M	245 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		49.9 @ M	108 @ M	302 @ M	115 @ M	78.6 @ M	99.9 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		102 @ M	220 @ M	547 @ M	221 @ M	148 @ M	191 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		68.3 @ M	125 @ M	354 @ M	138 @ M	103 @ M	130 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		26.6 @ M	46.5 @ M	117 @ M	52.5 @ M	39.2 @ M	49.4 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		93.1 @ M	156 @ M	407 @ M	172 @ M	135 @ M	167 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1290	2520	6270	2050	1660	2200

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	NCA_2 4 W	VAL_2 14 E	VAL_2 15 E	VAL_2 14 S	VAL_2 15 W	VAL_2 16 W
			Depth (m)	0.30	0.30	0.40	0.40	0.40	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014
			SDG Ref	141013-27	141013-27	141013-27	141013-27	141013-27	141013-27
			Lab Sample No.(s)	10174921	10174938	10174890	10174934	10174895	10174899
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		92.1	94	92.3	88.7	86.6	89.6
Acenaphthene-d10 % recovery**	%	TM218		91	93.9	91.6	88.9	79	87.2
Phenanthrene-d10 % recovery**	%	TM218		89.7	91.9	90.3	87	75.9	85.8
Chrysene-d12 % recovery**	%	TM218		83.7	86.3	81.9	81.1	80.5	79.1
Perylene-d12 % recovery**	%	TM218		92.7	95.8	84.4	89.6	92.4	84.9
Naphthalene	<9 µg/kg	TM218		46.9 @ M	81.1 @ #	52.3 @ M	81.4 @ M	32.8 #	29.7 @ M
Acenaphthylene	<12 µg/kg	TM218		<12 @ M	21.6 @ #	<12 @ M	19.9 @ M	15.6 #	<12 @ M
Acenaphthene	<8 µg/kg	TM218		10.7 @ M	49.8 @ #	<8 @ M	61.7 @ M	16.7 #	<8 @ M
Fluorene	<10 µg/kg	TM218		26 @ M	56.6 @ #	27 @ M	55.3 @ M	24.4 #	18.9 @ M
Phenanthrene	<15 µg/kg	TM218		178 @ M	407 @ #	190 @ M	461 @ M	190 #	126 @ M
Anthracene	<16 µg/kg	TM218		27.7 @ M	113 @ #	26.3 @ M	105 @ M	56.5 #	<16 @ M
Fluoranthene	<17 µg/kg	TM218		170 @ M	802 @ #	148 @ M	719 @ M	373 #	80.4 @ M
Pyrene	<15 µg/kg	TM218		161 @ M	733 @ #	150 @ M	636 @ M	342 #	76.8 @ M
Benz(a)anthracene	<14 µg/kg	TM218		121 @ M	457 @ #	62.1 @ M	424 @ M	271 #	63.1 @ M
Chrysene	<10 µg/kg	TM218		134 @ M	530 @ #	136 @ M	471 @ M	297 #	138 @ M
Benzo(b)fluoranthene	<15 µg/kg	TM218		249 @ M	874 @ #	149 @ M	830 @ M	331 #	111 @ M
Benzo(k)fluoranthene	<14 µg/kg	TM218		71.9 @ M	277 @ #	50.8 @ M	271 @ M	183 #	33 @ M
Benzo(a)pyrene	<15 µg/kg	TM218		150 @ M	572 @ #	88.8 @ M	536 @ M	356 #	64.2 @ M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		99 @ M	350 @ #	70.1 @ M	323 @ M	228 #	41 @ M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		37.1 @ M	124 @ #	30.7 @ M	113 @ M	91.8 #	<23 @ M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		118 @ M	441 @ #	95.7 @ M	399 @ M	299 #	56.6 @ M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218		1600	5890	1280	5510	3110	839

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	NCA_2 4	NCA_2 4	NCA_2 12	NCA_2 4 E	NCA_2 4 N	NCA_2 4 S
			Depth (m)	0.20	0.60	0.30	0.20	0.30	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014
			SDG Ref	141013-27	141013-27	141013-27	141013-27	141013-27	141013-27
			Lab Sample No.(s)	10174885	10174903	10174929	10174925	10174907	10174912
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		81 @	93 @	101 @	89 @	99 @	93 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M	<40 @ M
Toluene	<2 µg/kg	TM089		<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		2760	7200	32100	7940	7970	14900
Aliphatics >C16-C21	<100 µg/kg	TM173		8210	20100	76300	30700	26500	29600
Aliphatics >C21-C35	<100 µg/kg	TM173		28100	65500	121000	131000	92300	168000
Aliphatics >C35-C44	<100 µg/kg	TM173		3790	17900	58500	40800	28600	79900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		42900	111000	288000	211000	155000	293000
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		1830	1600	11300	1100	1580	4570
Aromatics >EC16-EC21	<100 µg/kg	TM173		5070	13000	35200	6620	6750	16100
Aromatics >EC21-EC35	<100 µg/kg	TM173		24900	51800	102000	53400	41400	105000
Aromatics >EC35-EC44	<100 µg/kg	TM173		10900	17900	71900	26100	19300	60100
Aromatics >EC40-EC44	<100 µg/kg	TM173		3650	6660	31300	10000	7270	23900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		42700	84400	220000	87200	69000	186000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		85600	195000	508000	298000	224000	479000

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	NCA_2 4 W	VAL_2 14 E	VAL_2 15 E	VAL_2 14 S	VAL_2 15 W	VAL_2 16 W
			Depth (m)	0.30	0.30	0.40	0.40	0.40	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014	10/10/2014
			Sample Time	.	.	.	.	.	.
			Date Received	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014	13/10/2014
			SDG Ref	141013-27	141013-27	141013-27	141013-27	141013-27	141013-27
			Lab Sample No.(s)	10174921	10174938	10174890	10174934	10174895	10174899
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88 @	101 @	82 @	104 @	93 @	82 @
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		<176 @ M	610 @ #	<176 @ M	521 @ M	297 @ #	<176 @ M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<20 @ M	<20 @ #	<20 @ M	<20 @ M	<20 @ #	<20 @ M
Benzene	<10 µg/kg	TM089		<40 @ M	<40 @ #	<40 @ M	<40 @ M	<40 @ #	<40 @ M
Toluene	<2 µg/kg	TM089		8.68 @ M	10.9 @ #	<8 @ M	8.54 @ M	<8 @ #	<8 @ M
Ethylbenzene	<3 µg/kg	TM089		<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ #	<12 @ M
m,p-Xylene	<6 µg/kg	TM089		<24 @ M	<24 @ #	<24 @ M	<24 @ M	<24 @ #	<24 @ M
o-Xylene	<3 µg/kg	TM089		<12 @ M	<12 @ #	<12 @ M	<12 @ M	<12 @ #	<12 @ M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9 @	<9 @	<9 @	<9 @	<9 @	<9 @
sum of detected BTEX by GC	<24 µg/kg	TM089		<24 @	<24 @	<24 @	<24 @	<24 @	<24 @
Aliphatics >C5-C6	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	<40 @	<40 @
Aliphatics >C6-C8	<10 µg/kg	TM089		<40 @	<40 @	<40 @	<40 @	47.9 @	<40 @
Aliphatics >C8-C10	<10 µg/kg	TM089		<40 @	67.8 @	<40 @	80 @	<40 @	<40 @
Aliphatics >C10-C12	<10 µg/kg	TM089		<40 @	254 @	<40 @	186 @	94.7 @	<40 @
Aliphatics >C12-C16	<100 µg/kg	TM173		8950	26900	6750	33200	41100	3530
Aliphatics >C16-C21	<100 µg/kg	TM173		28400	66600	18500	73300	90100	12300
Aliphatics >C21-C35	<100 µg/kg	TM173		102000	275000	60500	220000	152000	36300
Aliphatics >C35-C44	<100 µg/kg	TM173		30400	70700	23200	66700	53300	10400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		169000	440000	109000	393000	337000	62600
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 @	55.7 @	<40 @	68.3 @	<40 @	<40 @
Aromatics >EC10-EC12	<10 µg/kg	TM089		<40 @	169 @	<40 @	124 @	63.2 @	<40 @
Aromatics >EC12-EC16	<100 µg/kg	TM173		1460	7820	2900	12600	4410	1720
Aromatics >EC16-EC21	<100 µg/kg	TM173		6800	38100	8400	37600	22900	4870
Aromatics >EC21-EC35	<100 µg/kg	TM173		42800	189000	42700	141000	92000	30300
Aromatics >EC35-EC44	<100 µg/kg	TM173		20900	71300	21600	66100	57400	13000
Aromatics >EC40-EC44	<100 µg/kg	TM173		7810	27600	9490	26500	22400	4670
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		72000	306000	75500	257000	177000	49900
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		241000	746000	184000	651000	514000	112000

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	NCA_2 4 0.20 SOLID 10/10/2014 00:00:00 17/10/2014 15:20:22 141013-27 10174885 TM048	24/10/14	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	NCA_2 4 0.60 SOLID 10/10/2014 00:00:00 17/10/2014 15:23:36 141013-27 10174903 TM048	24/10/14	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	NCA_2 12 0.30 SOLID 10/10/2014 00:00:00 16/10/2014 04:53:59 141013-27 10174929 TM048	27/10/14	Chris Swindells	-	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	NCA_2 4 E 0.20 SOLID 10/10/2014 00:00:00 16/10/2014 07:19:22 141013-27 10174925 TM048	27/10/14	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	NCA_2 4 N 0.30 SOLID 10/10/2014 00:00:00 17/10/2014 15:26:13 141013-27 10174907 TM048	24/10/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	NCA_2 4 S 0.20 SOLID 10/10/2014 00:00:00 17/10/2014 15:29:03 141013-27 10174912 TM048	24/10/14	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	NCA_2 4 W 0.30 SOLID 10/10/2014 00:00:00 17/10/2014 15:31:55 141013-27 10174921 TM048	24/10/14	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	VAL_2 14 E 0.30 SOLID 10/10/2014 00:00:00 16/10/2014 07:35:00 141013-27 10174938 TM048	24/10/14	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	VAL_2 15 E 0.40 SOLID 10/10/2014 00:00:00 16/10/2014 05:00:54 141013-27 10174890 TM048	24/10/14	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	VAL_2 14 S 0.40 SOLID 10/10/2014 00:00:00 16/10/2014 06:49:45 141013-27 10174934 TM048	27/10/14	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	VAL_2 15 W 0.40 SOLID 10/10/2014 00:00:00 16/10/2014 06:42:18 141013-27 10174895 TM048	27/10/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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	VAL_2 16 W 0.30 SOLID 10/10/2014 00:00:00 16/10/2014 07:22:28 141013-27 10174899 TM048	27/10/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	10174885	10174903	10174929	10174925	10174907	10174912	10174921	10174938	10174890	10174934
Customer Sample Ref.	NCA_2 4	NCA_2 4	NCA_2 12	NCA_2 4 E	NCA_2 4 N	NCA_2 4 S	NCA_2 4 W	VAL_2 14 E	VAL_2 15 E	VAL_2 14 S
AGS Ref.										
Depth	0.20	0.60	0.30	0.20	0.30	0.20	0.30	0.30	0.40	0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014
EPH CWG (Aliphatic) GC (S)	23-Oct-2014	23-Oct-2014	23-Oct-2014	24-Oct-2014	23-Oct-2014	23-Oct-2014	24-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014
EPH CWG (Aromatic) GC (S)	23-Oct-2014	23-Oct-2014	23-Oct-2014	24-Oct-2014	23-Oct-2014	23-Oct-2014	24-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014
GRO by GC-FID (S)	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014
Metals in solid samples by OES	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014	25-Oct-2014
PAH by GCMS	28-Oct-2014	28-Oct-2014	28-Oct-2014	28-Oct-2014	28-Oct-2014	28-Oct-2014	28-Oct-2014	28-Oct-2014	28-Oct-2014	28-Oct-2014
pH	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014	23-Oct-2014
Sample description	17-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	17-Oct-2014	17-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014	16-Oct-2014
Total Organic Carbon	24-Oct-2014						24-Oct-2014	24-Oct-2014		
TPH CWG GC (S)	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014	27-Oct-2014

Lab Sample No(s)	10174895	10174899
Customer Sample Ref.	VAL_2 15 W	VAL_2 16 W
AGS Ref.		
Depth	0.40	0.30
Type	SOLID	SOLID
Asbestos ID in Solid Samples	27-Oct-2014	27-Oct-2014
EPH CWG (Aliphatic) GC (S)	24-Oct-2014	23-Oct-2014
EPH CWG (Aromatic) GC (S)	24-Oct-2014	23-Oct-2014
GRO by GC-FID (S)	27-Oct-2014	27-Oct-2014
Metals in solid samples by OES	25-Oct-2014	25-Oct-2014
PAH by GCMS	26-Oct-2014	28-Oct-2014
pH	23-Oct-2014	23-Oct-2014
Sample description	16-Oct-2014	16-Oct-2014
Total Organic Carbon		24-Oct-2014
TPH CWG GC (S)	27-Oct-2014	27-Oct-2014

SDG:	141013-27	**Location:**	Coed Darcy	**Order Number:**	CD0890
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	289751
Client Reference:	NCA	**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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Website: www.alcontrol.com

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date:	05 November 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	131019-38
Your Reference:	NCA
Location:	Coed Darcy
Report No:	248669

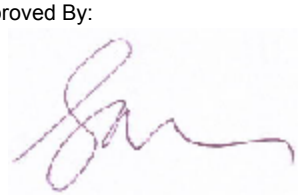
This report has been revised and directly supersedes 247715 in its entirety.

We received 51 samples on Friday October 18, 2013 and 51 of these samples were scheduled for analysis which was completed on Tuesday November 05, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8297630	NCA7		0.30	16/10/2013
8297632	NCA7		1.20	16/10/2013
8297633	NCA7		2.30	16/10/2013
8297635	NCA7		3.10	16/10/2013
8297637	NCA7		4.00	16/10/2013
8297638	NCA7		5.20	16/10/2013
8297642	NCA8		0.30	16/10/2013
8297644	NCA8		1.00	16/10/2013
8297645	NCA8		2.20	16/10/2013
8297650	NCA8		3.00	16/10/2013
8297648	NCA8		4.30	16/10/2013
8297649	NCA8		5.10	16/10/2013
8297653	NCA9		0.30	16/10/2013
8297654	NCA9		1.30	16/10/2013
8297655	NCA9		2.00	16/10/2013
8297656	NCA9		3.00	16/10/2013
8297657	NCA9		4.10	16/10/2013
8297660	NCA9		5.30	16/10/2013
8297661	NCA17		3.20	16/10/2013
8297662	NCA17		4.00	16/10/2013
8297664	NCA17		5.00	16/10/2013
8297576	NCA18		0.30	15/10/2013
8297577	NCA18		1.00	15/10/2013
8297578	NCA18		2.10	15/10/2013
8297579	NCA18		3.10	15/10/2013
8297580	NCA18		4.00	15/10/2013
8297582	NCA18		4.20	15/10/2013
8297583	NCA19		0.40	16/10/2013
8297585	NCA19		1.20	16/10/2013
8297586	NCA19		2.00	16/10/2013
8297587	NCA19		3.10	16/10/2013
8297589	NCA19		4.30	16/10/2013
8297591	NCA19		5.20	16/10/2013
8297593	NCA20		0.30	16/10/2013
8297596	NCA20		1.00	16/10/2013
8297598	NCA20		2.00	16/10/2013
8297603	NCA20		3.10	16/10/2013
8297606	NCA20		4.10	16/10/2013
8297609	NCA20		5.20	16/10/2013
8297610	NCA21		0.30	16/10/2013
8297611	NCA21		1.10	16/10/2013
8297614	NCA21		2.10	16/10/2013
8297615	NCA21		3.20	16/10/2013
8297616	NCA21		4.20	16/10/2013
8297617	NCA21		5.40	16/10/2013
8297618	NCA22		0.30	16/10/2013
8297619	NCA22		1.20	16/10/2013
8297620	NCA22		2.60	16/10/2013
8297621	NCA22		3.10	16/10/2013
8297623	NCA22		4.20	16/10/2013
8297629	NCA22		5.20	16/10/2013

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

SDG: 131019-38
Job: H_ATKINS_LDC-184
Client Reference: NCA
Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Jack Lowrie
Order Number: CD0517
Report Number: 248669
Superseded Report: 247715

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			8297630			8297632			8297633			8297635			8297637			8297638			8297642			8297644			8297645			8297650			8297648			8297649			8297653			8297654
Customer Sample Reference			NCA7			NCA7			NCA7			NCA7			NCA7			NCA7			NCA8			NCA8			NCA8			NCA8			NCA8			NCA8			NCA9			NCA9
AGS Reference																																										
Depth (m)			0.30			1.20			2.30			3.10			4.00			5.20			0.30			1.00			2.20			3.00			4.30			5.10			0.30			1.30
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: 51		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 48			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X			X			X
pH	All	NDPs: 0 Tests: 51		X			X			X			X			X			X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 51	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 48			X			X			X			X			X			X			X			X			X			X			X			X			X	

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

SOLID

Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)			8297654		8297655			8297656			8297657			8297660			8297661	8297662	8297664	8297576			8297577			8297578			8297579			8297580			8297582			8297583			8297585	
Customer Sample Reference			NCA9		NCA9			NCA9			NCA9			NCA9			NCA17	NCA17	NCA17	NCA18			NCA18			NCA18			NCA18			NCA18			NCA18			NCA19			NCA19	
AGS Reference																																										
Depth (m)			1.30		2.00			3.00			4.10			5.30			3.20	4.00	5.00	0.30			1.00			2.10			3.10			4.00			4.20			0.40			1.20	
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)	400g Tub (ALE214)	400g Tub (ALE214)	400g Tub (ALE214)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 51	X			X			X			X			X		X	X	X		X			X			X			X			X			X			X			X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 48			X			X			X			X						X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 48			X			X			X			X						X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 48		X			X			X			X			X						X			X			X			X			X			X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 48			X			X			X			X						X			X			X			X			X			X			X			X	
pH	All	NDPs: 0 Tests: 51	X			X			X			X			X		X	X	X		X			X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 51			X			X			X			X			X	X	X	X			X			X			X			X			X			X			X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 48			X			X			X			X						X			X			X			X			X			X			X			X	
Total Organic Carbon	All	NDPs: 0 Tests: 48			X			X			X			X						X			X			X			X			X			X			X			X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 48			X			X			X			X						X			X			X			X			X			X			X			X	
VOC MS (S)	All	NDPs: 0 Tests: 48		X			X			X			X			X						X			X			X			X			X			X			X		

Validated

CERTIFICATE OF ANALYSIS

SDG: 131019-38	**Location:** Coed Darcy	**Order Number:** CD0517	
Job: H_ATKINS_LDC-184	**Customer:** Atkins Global Ltd	**Report Number:** 248669	
Client Reference: NCA	**Attention:** Jack Lowrie	**Superseded Report:** 247715	

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			8297585	8297586			8297587			8297589			8297591			8297593			8297596			8297598			8297603			8297606			8297609			8297610			8297611			8297614		
Customer Sample Reference			NCA19	NCA19			NCA19			NCA19			NCA19			NCA20			NCA20			NCA20			NCA20			NCA20			NCA20			NCA21			NCA21			NCA21		
AGS Reference																																										
Depth (m)			1.20	2.00			3.10			4.30			5.20			0.30			1.00			2.00			3.10			4.10			5.20			0.30			1.10			2.10		
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: 51			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 48		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 48		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals in solid samples by OES	All	NDPs: 0 Tests: 48		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 51			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 51		X			X			X			X			X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 48		X			X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 48		X			X			X			X			X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 48		X			X			X			X			X			X			X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X			X			X

15:37:21 05/11/2013

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			8297615	8297616	8297617	8297618	8297619	8297620	8297621	8297623	8297629
Customer Sample Reference			NCA21	NCA21	NCA21	NCA22	NCA22	NCA22	NCA22	NCA22	NCA22
AGS Reference											
Depth (m)			3.20	4.20	5.40	0.30	1.20	2.60	3.10	4.20	5.20
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)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (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: 51		X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 48		X			X			X			X			X			X			X			X			X			X			X			X	
Metals in solid samples by OES	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 51		X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 51	X			X			X			X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X		
Total Organic Carbon	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 48	X			X			X			X			X			X			X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 48		X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

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
8297630	NCA7	0.30	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
8297632	NCA7	1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297633	NCA7	2.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297635	NCA7	3.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297637	NCA7	4.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297638	NCA7	5.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297642	NCA8	0.30	Dark Brown	Stone/Soil	2 - 10 mm	None	None
8297644	NCA8	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297645	NCA8	2.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297648	NCA8	4.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297649	NCA8	5.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297650	NCA8	3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297653	NCA9	0.30	Dark Brown	Stone/Soil	2 - 10 mm	None	None
8297654	NCA9	1.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297655	NCA9	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297656	NCA9	3.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297657	NCA9	4.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297660	NCA9	5.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297661	NCA17	3.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8297662	NCA17	4.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8297664	NCA17	5.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8297576	NCA18	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297577	NCA18	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297578	NCA18	2.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Brick
8297579	NCA18	3.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297580	NCA18	4.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Crushed Brick
8297582	NCA18	4.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Crushed Brick
8297583	NCA19	0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297585	NCA19	1.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297586	NCA19	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Crushed Brick
8297587	NCA19	3.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297589	NCA19	4.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297591	NCA19	5.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8297593	NCA20	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297596	NCA20	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297598	NCA20	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297603	NCA20	3.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297606	NCA20	4.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

			Colour	Description	Grain size	Inclusions	Inclusions 2
8297609	NCA20	5.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8297610	NCA21	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8297611	NCA21	1.10	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8297614	NCA21	2.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297615	NCA21	3.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297616	NCA21	4.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297617	NCA21	5.40	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8297618	NCA22	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297619	NCA22	1.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8297620	NCA22	2.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8297621	NCA22	3.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
8297623	NCA22	4.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
8297629	NCA22	5.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA7	NCA7	NCA7	NCA7	NCA7
			Depth (m)	0.30	1.20	2.30	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297630	8297632	8297633	8297635	8297637	8297638
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.51 #	2.24 #	1.15 #	4.34 #	2.29 #	3.55 #
pH	1 pH Units	TM133		8.1 M	8.26 M	8.03 M	8.29 M	7.9 M	7.88 M
Arsenic	<0.6 mg/kg	TM181		6.15 M	15.4 M	10.2 M	21.1 M	22.6 M	16.7 M
Cadmium	<0.02 mg/kg	TM181		0.504 M	0.657 M	0.608 M	1.03 M	0.909 M	0.864 M
Chromium	<0.9 mg/kg	TM181		12.6 M	12.1 M	15.3 M	16.5 M	15.9 M	14.1 M
Copper	<1.4 mg/kg	TM181		10.8 M	30.4 M	17.8 M	56.7 M	58.7 M	68.1 M
Lead	<0.7 mg/kg	TM181		19.8 M	153 M	18.8 M	119 M	98.3 M	120 M
Mercury	<0.14 mg/kg	TM181		0.172 M	0.771 M	<0.14 M	1.14 M	2.84 M	0.692 M
Nickel	<0.2 mg/kg	TM181		26.9 M	24 M	28.4 M	32.6 M	25.7 M	28 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11.1 #	14.6 #	14.7 #	22.4 #	20.7 #	17.6 #
Zinc	<1.9 mg/kg	TM181		72.2 M	161 M	79.7 M	242 M	212 M	243 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

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

Component	LOD/Units	Method	Customer Sample R	NCA8	NCA8	NCA8	NCA8	NCA8	NCA8
			Depth (m)	0.30	1.00	2.20	3.00	4.30	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297642	8297644	8297645	8297650	8297648	8297649
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		1.78 #	2.98 #	2.84 #	4.02 #	3.72 #	4.26 #
pH	1 pH Units	TM133		8.1 #	7.7 M	8.19 M	8.19 M	8.03 M	7.84 M
Arsenic	<0.6 mg/kg	TM181		8.46 #	29 M	32.4 M	20.6 M	20.7 M	23.5 M
Cadmium	<0.02 mg/kg	TM181		0.578 #	1.24 M	0.764 M	0.84 M	1.03 M	1.07 M
Chromium	<0.9 mg/kg	TM181		15.1 #	17.3 M	29.1 M	39.9 M	18.2 M	15.6 M
Copper	<1.4 mg/kg	TM181		15.5 #	66.1 M	64.1 M	56 M	85.5 M	81.6 M
Lead	<0.7 mg/kg	TM181		19 #	218 M	150 M	205 M	108 M	273 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	0.512 M	0.538 M	0.516 M	0.788 M	2.46 M
Nickel	<0.2 mg/kg	TM181		34.9 #	34.4 M	28.4 M	30.8 M	36.7 M	32.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.11 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.5 #	19.5 #	24 #	54.5 #	23.8 #	20 #
Zinc	<1.9 mg/kg	TM181		96.8 #	640 M	1860 M	197 M	352 M	610 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA9	NCA9	NCA9	NCA9	NCA9	NCA9
			Depth (m)	0.30	1.30	2.00	3.00	4.10	5.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297653	8297654	8297655	8297656	8297657	8297660
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		2.03 #	1.83 #	3.21 #	3.6 #	1.29 #	2.33 #
pH	1 pH Units	TM133		8.32 #	8.07 M	7.86 M	8.04 M	7.95 M	7.95 M
Arsenic	<0.6 mg/kg	TM181		9.45 #	11.6 M	18.6 M	18.6 M	7.99 M	17.4 M
Cadmium	<0.02 mg/kg	TM181		0.698 #	0.763 M	0.78 M	0.793 M	0.61 M	0.923 M
Chromium	<0.9 mg/kg	TM181		16.4 #	18.4 M	18.2 M	17.3 M	13.7 M	18.1 M
Copper	<1.4 mg/kg	TM181		19 #	30.3 M	44.4 M	48.4 M	19.2 M	36.3 M
Lead	<0.7 mg/kg	TM181		24.9 #	39.4 M	66.2 M	96.2 M	37.4 M	63.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	0.274 M	0.432 M	0.523 M	<0.14 M	0.376 M
Nickel	<0.2 mg/kg	TM181		41.9 #	33.7 M	27.4 M	20.9 M	32.6 M	33.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.2 #	20.1 #	21.4 #	16.7 #	12.9 #	18.1 #
Zinc	<1.9 mg/kg	TM181		89.9 #	137 M	229 M	264 M	437 M	182 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

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

Component	LOD/Units	Method	Customer Sample R	NCA17	NCA17	NCA17	NCA18	NCA18	NCA18
			Depth (m)	3.20	4.00	5.00	0.30	1.00	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297661	8297662	8297664	8297576	8297577	8297578
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132					2 #	3.03 #	3.64 #
pH	1 pH Units	TM133		8.32 M	8.17 M	8.15 M	7.97 M	8.13 M	8.02 M
Arsenic	<0.6 mg/kg	TM181					11.1 M	19.7 M	20 M
Cadmium	<0.02 mg/kg	TM181					0.726 M	0.931 M	0.96 M
Chromium	<0.9 mg/kg	TM181					18.6 M	23.4 M	16.7 M
Copper	<1.4 mg/kg	TM181					28.9 M	56.8 M	61.3 M
Lead	<0.7 mg/kg	TM181					27.2 M	77.7 M	64.5 M
Mercury	<0.14 mg/kg	TM181					<0.14 M	0.435 M	<0.14 M
Nickel	<0.2 mg/kg	TM181					44 M	34.6 M	32.1 M
Selenium	<1 mg/kg	TM181					<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181					16.1 #	22.5 #	20.9 #
Zinc	<1.9 mg/kg	TM181					104 M	186 M	184 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA18	NCA18	NCA18	NCA19	NCA19	NCA19
			Depth (m)	3.10	4.00	4.20	0.40	1.20	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297579	8297580	8297582	8297583	8297585	8297586
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.28 #	3 #	2.6 #	2.22 #	4.02 #	4.29 #
pH	1 pH Units	TM133		8.12 M	8.27 M	8.15 M	8.46 M	8.13 M	7.79 M
Arsenic	<0.6 mg/kg	TM181		21.2 M	17.7 M	14.7 M	7.35 M	12.1 M	25 M
Cadmium	<0.02 mg/kg	TM181		1.01 M	0.846 M	0.998 M	0.615 M	0.809 M	1.07 M
Chromium	<0.9 mg/kg	TM181		15.4 M	16.2 M	15.8 M	16 M	17.3 M	17.2 M
Copper	<1.4 mg/kg	TM181		69.1 M	59.3 M	45.4 M	13.7 M	35.5 M	70.8 M
Lead	<0.7 mg/kg	TM181		84.4 M	67.9 M	68.5 M	19.9 M	56.9 M	172 M
Mercury	<0.14 mg/kg	TM181		0.696 M	0.316 M	0.26 M	<0.14 M	0.157 M	1.24 M
Nickel	<0.2 mg/kg	TM181		29.6 M	34.8 M	35 M	44.1 M	35.8 M	30.7 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19.1 #	17.5 #	16.7 #	14.3 #	19.8 #	22.5 #
Zinc	<1.9 mg/kg	TM181		222 M	188 M	216 M	78.8 M	130 M	358 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA19	NCA19	NCA19	NCA20	NCA20	NCA20
			Depth (m)	3.10	4.30	5.20	0.30	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297587	8297589	8297591	8297593	8297596	8297598
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		2.65 #	1.98 #	1.79 #	5.5 #	2.83 #	3.15 #
pH	1 pH Units	TM133		7.44 M	7.91 M	7.43 M	8.08 M	7.75 M	8.38 M
Arsenic	<0.6 mg/kg	TM181		17.6 M	13.8 M	14.5 M	18.5 M	22.2 M	14.1 M
Cadmium	<0.02 mg/kg	TM181		0.789 M	0.754 M	0.731 M	0.701 M	1.04 M	0.739 M
Chromium	<0.9 mg/kg	TM181		15.2 M	13.4 M	15.2 M	15.4 M	18.6 M	18.2 M
Copper	<1.4 mg/kg	TM181		48.8 M	28.3 M	32 M	73.5 M	87.7 M	36.4 M
Lead	<0.7 mg/kg	TM181		80.9 M	51.8 M	45.1 M	61 M	145 M	75.3 M
Mercury	<0.14 mg/kg	TM181		0.591 M	0.554 M	0.258 M	0.294 M	0.905 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.1 M	29 M	35.1 M	28.6 M	29.9 M	38.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21.4 #	17 #	17.4 #	17.8 #	23.9 #	18.5 #
Zinc	<1.9 mg/kg	TM181		190 M	165 M	126 M	194 M	298 M	177 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

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

Component	LOD/Units	Method	Customer Sample R	NCA20	NCA20	NCA20	NCA21	NCA21	NCA21
			Depth (m)	3.10	4.10	5.20	0.30	1.10	2.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297603	8297606	8297609	8297610	8297611	8297614
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.59 #	2.71 #	1.7 #	1.88 #	2.71 #	1.91 #
pH	1 pH Units	TM133		8.01 M	8.01 M	7.55 M	8.22 M	7.99 M	8.07 M
Arsenic	<0.6 mg/kg	TM181		17.1 M	17.3 M	11.6 M	8.61 M	12.6 M	19.6 M
Cadmium	<0.02 mg/kg	TM181		0.789 M	0.841 M	0.895 M	0.594 M	0.588 M	0.972 M
Chromium	<0.9 mg/kg	TM181		16.8 M	21.1 M	17.6 M	13.8 M	15 M	12.5 M
Copper	<1.4 mg/kg	TM181		45.1 M	48.3 M	43.5 M	19.3 M	22.9 M	69 M
Lead	<0.7 mg/kg	TM181		62.1 M	75.5 M	54.3 M	47.2 M	64.2 M	184 M
Mercury	<0.14 mg/kg	TM181		1.24 M	0.501 M	0.415 M	0.167 M	0.506 M	0.51 M
Nickel	<0.2 mg/kg	TM181		34.4 M	30.1 M	46.5 M	29.2 M	28.6 M	23.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.4 #	18.9 #	18.6 #	13.1 #	14.6 #	15.4 #
Zinc	<1.9 mg/kg	TM181		149 M	200 M	177 M	253 M	161 M	170 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

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

Component	LOD/Units	Method	Customer Sample R	NCA21	NCA21	NCA21	NCA22	NCA22	NCA22
			Depth (m)	3.20	4.20	5.40	0.30	1.20	2.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297615	8297616	8297617	8297618	8297619	8297620
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.12 #	2.19 #	2.07 #	2.67 #	2.02 #	2.4 #
pH	1 pH Units	TM133		7.86 M	7.93 M	7.99 M	7.47 M	8.48 M	7.9 M
Arsenic	<0.6 mg/kg	TM181		24 M	17.3 M	27.2 M	5.84 M	11.1 M	13.7 M
Cadmium	<0.02 mg/kg	TM181		1.06 M	0.725 M	0.776 M	0.65 M	0.592 M	0.749 M
Chromium	<0.9 mg/kg	TM181		16 M	15.4 M	12.5 M	16.7 M	12.6 M	19.9 M
Copper	<1.4 mg/kg	TM181		37.7 M	66.4 M	73.6 M	8.88 M	15.4 M	34.7 M
Lead	<0.7 mg/kg	TM181		46.8 M	62.6 M	95.7 M	15.1 M	50.8 M	40.9 M
Mercury	<0.14 mg/kg	TM181		0.414 M	0.868 M	1.4 M	<0.14 M	0.496 M	0.528 M
Nickel	<0.2 mg/kg	TM181		33.3 M	26.2 M	25.7 M	41.9 M	23.9 M	28.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.6 #	17.5 #	15.7 #	13.4 #	14 #	19.3 #
Zinc	<1.9 mg/kg	TM181		149 M	222 M	244 M	76.9 M	131 M	128 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA22	NCA22	NCA22			
			Depth (m)	3.10	4.20	5.20			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	16/10/2013	16/10/2013	16/10/2013			
			Sample Time	.	.	.			
			Date Received	18/10/2013	18/10/2013	18/10/2013			
			SDG Ref	131019-38	131019-38	131019-38			
			Lab Sample No.(s)	8297621	8297623	8297629			
			AGS Reference						
Soil Organic Matter (SOM)	<0.35 %	TM132		3.31 #	3.76 #	4.95 #			
pH	1 pH Units	TM133		8.03 M	7.96 M	8.29 M			
Arsenic	<0.6 mg/kg	TM181		26 M	18.4 M	18.3 M			
Cadmium	<0.02 mg/kg	TM181		0.804 M	0.369 M	0.262 M			
Chromium	<0.9 mg/kg	TM181		15.4 M	14.5 M	12 M			
Copper	<1.4 mg/kg	TM181		72.1 M	56.8 M	53.3 M			
Lead	<0.7 mg/kg	TM181		128 M	128 M	89.7 M			
Mercury	<0.14 mg/kg	TM181		0.841 M	3.35 M	3.39 M			
Nickel	<0.2 mg/kg	TM181		25.6 M	26.2 M	21.1 M			
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #			
Vanadium	<0.2 mg/kg	TM181		20.1 #	19.7 #	15.7 #			
Zinc	<1.9 mg/kg	TM181		346 M	236 M	211 M			

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA7	NCA7	NCA7	NCA7	NCA7
			Depth (m)	0.30	1.20	2.30	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297630	8297632	8297633	8297635	8297637	8297638
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	180	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA7	NCA7	NCA7	NCA7	NCA7
			Depth (m)	0.30	1.20	2.30	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297630	8297632	8297633	8297635	8297637	8297638
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		158	242	<100	<100	147	158
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	265	<100	<100	<100	114
Anthracene	<100 µg/kg	TM157		156	261	<100	<100	<100	133
Benzo(a)anthracene	<100 µg/kg	TM157		551	1510	<100	204	482	499
Benzo(b)fluoranthene	<100 µg/kg	TM157		481	1390	<100	215	485	466
Benzo(k)fluoranthene	<100 µg/kg	TM157		396	911	<100	205	377	366
Benzo(a)pyrene	<100 µg/kg	TM157		525	1450	<100	243	472	494
Benzo(g,h,i)perylene	<100 µg/kg	TM157		274	810	<100	152	301	294
Chrysene	<100 µg/kg	TM157		669	1530	142	288	590	565
Fluoranthene	<100 µg/kg	TM157		830	1670	<100	274	708	937
Fluorene	<100 µg/kg	TM157		146	332	<100	<100	<100	161
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		262	763	<100	129	264	264
Phenanthrene	<100 µg/kg	TM157		691	690	131	202	377	796
Pyrene	<100 µg/kg	TM157		692	1720	124	305	622	781
Naphthalene	<100 µg/kg	TM157		115	148	<100	<100	<100	163
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	241	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA8	NCA8	NCA8	NCA8	NCA8	NCA8
			Depth (m)	0.30	1.00	2.20	3.00	4.30	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297642	8297644	8297645	8297650	8297648	8297649
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	151
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA8	NCA8	NCA8	NCA8	NCA8	NCA8
			Depth (m)	0.30	1.00	2.20	3.00	4.30	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297642	8297644	8297645	8297650	8297648	8297649
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	161	312	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	221	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	402	216	350	513	216
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	405	208	449	578	212
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	341	165	380	455	183
Benzo(a)pyrene	<100 µg/kg	TM157		<100	436	215	506	593	234
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	251	134	352	365	148
Chrysene	<100 µg/kg	TM157		132	562	300	528	741	254
Fluoranthene	<100 µg/kg	TM157		<100	568	309	591	703	380
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	113	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	217	116	294	311	127
Phenanthrene	<100 µg/kg	TM157		123	444	192	490	597	293
Pyrene	<100 µg/kg	TM157		<100	556	327	583	838	350
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	273	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA9	NCA9	NCA9	NCA9	NCA9	NCA9
			Depth (m)	0.30	1.30	2.00	3.00	4.10	5.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297653	8297654	8297655	8297656	8297657	8297660
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA9	NCA9	NCA9	NCA9	NCA9	NCA9
			Depth (m)	0.30	1.30	2.00	3.00	4.10	5.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297653	8297654	8297655	8297656	8297657	8297660
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	156	<100	<100	162
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	115
Benzo(a)anthracene	<100 µg/kg	TM157		180	128	308	410	187	410
Benzo(b)fluoranthene	<100 µg/kg	TM157		187	132	331	387	175	377
Benzo(k)fluoranthene	<100 µg/kg	TM157		175	116	293	316	188	258
Benzo(a)pyrene	<100 µg/kg	TM157		219	153	366	409	246	367
Benzo(g,h,i)perylene	<100 µg/kg	TM157		140	115	239	229	135	223
Chrysene	<100 µg/kg	TM157		283	187	442	528	239	751
Fluoranthene	<100 µg/kg	TM157		321	197	487	614	261	575
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		110	<100	193	201	122	187
Phenanthrene	<100 µg/kg	TM157		366	140	330	367	133	728
Pyrene	<100 µg/kg	TM157		286	203	496	554	298	664
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	124
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA18	NCA18	NCA18	NCA18	NCA18	NCA18
			Depth (m)	0.30	1.00	2.10	3.10	4.00	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297576	8297577	8297578	8297579	8297580	8297582
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA18	NCA18	NCA18	NCA18	NCA18	NCA18
			Depth (m)	0.30	1.00	2.10	3.10	4.00	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297576	8297577	8297578	8297579	8297580	8297582
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	212	<100	258	199	144
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		179	323	231	448	491	197
Benzo(b)fluoranthene	<100 µg/kg	TM157		184	357	222	403	465	187
Benzo(k)fluoranthene	<100 µg/kg	TM157		133	298	195	258	312	170
Benzo(a)pyrene	<100 µg/kg	TM157		170	393	265	391	444	222
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	244	154	257	297	152
Chrysene	<100 µg/kg	TM157		331	455	326	1040	936	403
Fluoranthene	<100 µg/kg	TM157		259	522	401	574	592	282
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	204	126	188	239	<100
Phenanthrene	<100 µg/kg	TM157		187	481	317	866	812	408
Pyrene	<100 µg/kg	TM157		287	505	360	661	650	327
Naphthalene	<100 µg/kg	TM157		<100	120	<100	115	148	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	121	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA19	NCA19	NCA19	NCA19	NCA19	NCA19
			Depth (m)	0.40	1.20	2.00	3.10	4.30	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297583	8297585	8297586	8297587	8297589	8297591
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA19	NCA19	NCA19	NCA19	NCA19	NCA19
			Depth (m)	0.40	1.20	2.00	3.10	4.30	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297583	8297585	8297586	8297587	8297589	8297591
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	137	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	272	579	125	468	172
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	202	594	128	338	169
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	202	512	<100	365	150
Benzo(a)pyrene	<100 µg/kg	TM157		<100	235	647	128	423	166
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	129	418	<100	219	<100
Chrysene	<100 µg/kg	TM157		<100	354	780	149	603	250
Fluoranthene	<100 µg/kg	TM157		<100	507	1080	207	702	312
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	356	<100	191	<100
Phenanthrene	<100 µg/kg	TM157		109	203	649	139	400	253
Pyrene	<100 µg/kg	TM157		<100	488	923	197	621	254
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA20	NCA20	NCA20	NCA20	NCA20	NCA20
			Depth (m)	0.30	1.00	2.00	3.10	4.10	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297593	8297596	8297598	8297603	8297606	8297609
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA20	NCA20	NCA20	NCA20	NCA20	NCA20
			Depth (m)	0.30	1.00	2.00	3.10	4.10	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297593	8297596	8297598	8297603	8297606	8297609
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	165	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	134	161	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	473	331	204	184	301
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	354	326	175	169	247
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	361	278	151	142	233
Benzo(a)pyrene	<100 µg/kg	TM157		<100	437	372	186	169	277
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	226	242	<100	<100	150
Chrysene	<100 µg/kg	TM157		<100	524	416	272	250	392
Fluoranthene	<100 µg/kg	TM157		121	869	576	352	270	478
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	209	213	<100	<100	121
Phenanthrene	<100 µg/kg	TM157		<100	552	217	346	196	387
Pyrene	<100 µg/kg	TM157		125	718	554	308	254	438
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	150
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA21	NCA21	NCA21	NCA21	NCA21	NCA21
			Depth (m)	0.30	1.10	2.10	3.20	4.20	5.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297610	8297611	8297614	8297615	8297616	8297617
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	154	123	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	363
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA21	NCA21	NCA21	NCA21	NCA21	NCA21
			Depth (m)	0.30	1.10	2.10	3.20	4.20	5.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297610	8297611	8297614	8297615	8297616	8297617
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		213	327	244	187	185	317
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	129	132	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	201	285	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		427	1030	3010	291	406	506
Benzo(b)fluoranthene	<100 µg/kg	TM157		401	1130	3420	316	457	532
Benzo(k)fluoranthene	<100 µg/kg	TM157		402	827	2650	285	343	389
Benzo(a)pyrene	<100 µg/kg	TM157		506	1100	3620	355	452	549
Benzo(g,h,i)perylene	<100 µg/kg	TM157		310	689	2060	242	311	336
Chrysene	<100 µg/kg	TM157		590	1310	3450	436	543	756
Fluoranthene	<100 µg/kg	TM157		628	1450	2890	402	616	687
Fluorene	<100 µg/kg	TM157		<100	239	228	<100	<100	110
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		269	638	1830	193	263	274
Phenanthrene	<100 µg/kg	TM157		313	657	829	328	470	674
Pyrene	<100 µg/kg	TM157		700	1390	3070	459	616	807
Naphthalene	<100 µg/kg	TM157		118	181	145	217	<100	186
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	262	585	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA22	NCA22	NCA22	NCA22	NCA22	NCA22
			Depth (m)	0.30	1.20	2.60	3.10	4.20	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297618	8297619	8297620	8297621	8297623	8297629
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	1210	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	1290	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<200	<100	<100	<100	126
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	NCA22	NCA22	NCA22	NCA22	NCA22	NCA22
			Depth (m)	0.30	1.20	2.60	3.10	4.20	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297618	8297619	8297620	8297621	8297623	8297629
			AGS Reference						
2-Chlorophenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		268	580	<100	<100	229	298
Acenaphthylene	<100 µg/kg	TM157		<100	<200	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	3960	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	8030	<100	<100	<100	133
Benzo(a)anthracene	<100 µg/kg	TM157		<100	29400	265	435	459	553
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	26000	294	501	496	591
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	20100	238	401	386	460
Benzo(a)pyrene	<100 µg/kg	TM157		<100	23800	297	508	481	589
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	11200	174	357	334	423
Chrysene	<100 µg/kg	TM157		116	31200	323	561	598	704
Fluoranthene	<100 µg/kg	TM157		<100	45300	418	585	760	893
Fluorene	<100 µg/kg	TM157		<100	4300	<100	<100	117	137
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	11900	156	287	285	357
Phenanthrene	<100 µg/kg	TM157		418	26600	156	291	447	597
Pyrene	<100 µg/kg	TM157		<100	33800	400	593	710	843
Naphthalene	<100 µg/kg	TM157		185	355	<100	<100	128	190
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	4610	<100	<100	<100	117

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA7	NCA7	NCA7	NCA7	NCA7
			Depth (m)	0.30	1.20	2.30	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297630	8297632	8297633	8297635	8297637	8297638
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		26	50	80	120	114	77
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		725 M	9500 M	314 M	25100 M	7860 M	6940 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	19.6 M	<10 M	10.7 M
Toluene	<2 µg/kg	TM089		7.36 M	14.4 M	6.17 M	<2 M	<2 M	53.3 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		7.36 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	64
Aliphatics >C5-C6	<10 µg/kg	TM089		23.1	<10	<10	249	26.8	29.8
Aliphatics >C6-C8	<10 µg/kg	TM089		70.5	109	17.5	1810	694	155
Aliphatics >C8-C10	<10 µg/kg	TM089		124	2420	56.6	6440	2120	1530
Aliphatics >C10-C12	<10 µg/kg	TM089		243	3190	113	7370	2160	2480
Aliphatics >C12-C16	<100 µg/kg	TM173		34400	308000	6410	13400	40500	52100
Aliphatics >C16-C21	<100 µg/kg	TM173		39500	359000	15400	23600	56900	68500
Aliphatics >C21-C35	<100 µg/kg	TM173		77100	475000	176000	53900	207000	157000
Aliphatics >C35-C44	<100 µg/kg	TM173		29000	154000	43400	25200	71900	59800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		180000	1300000	241000	116000	377000	338000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	19.6	<10	10.7
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	14.4	<10	<10	<10	53.3
Aromatics >EC8-EC10	<10 µg/kg	TM089		91.5	1620	39.1	4290	1410	1020
Aromatics >EC10-EC12	<10 µg/kg	TM089		162	2130	75.1	4920	1440	1660
Aromatics >EC12-EC16	<100 µg/kg	TM173		11300	93900	2480	5340	10800	18900
Aromatics >EC16-EC21	<100 µg/kg	TM173		23800	199000	9400	15900	35300	51900
Aromatics >EC21-EC35	<100 µg/kg	TM173		64200	376000	49600	72700	179000	125000
Aromatics >EC35-EC44	<100 µg/kg	TM173		23300	126000	23500	41800	79600	55900
Aromatics >EC40-EC44	<100 µg/kg	TM173		8520	47000	8650	17600	30800	21600
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		123000	795000	84900	136000	305000	251000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		303000	2100000	326000	277000	689000	596000

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA8	NCA8	NCA8	NCA8	NCA8	NCA8
			Depth (m)	0.30	1.00	2.20	3.00	4.30	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297642	8297644	8297645	8297650	8297648	8297649
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		52	50	91	16	4	81
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		152 #	3730 M	2060 M	3610 M	310 M	3810 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 #	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		4.2 #	<2 M	<2 M	<2 M	3.3 M	18.7 M
Ethylbenzene	<3 µg/kg	TM089		<3 #	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		8.41 #	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 #	<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		13.7	12.8	16.8	33.5	<10	12.1
Aliphatics >C6-C8	<10 µg/kg	TM089		43.1	202	150	338	30.8	69.3
Aliphatics >C8-C10	<10 µg/kg	TM089		22.1	805	446	806	48.4	845
Aliphatics >C10-C12	<10 µg/kg	TM089		25.2	1310	685	1130	113	1370
Aliphatics >C12-C16	<100 µg/kg	TM173		5610	51600	64800	24600	96800	84900
Aliphatics >C16-C21	<100 µg/kg	TM173		15400	55100	82600	36300	113000	99800
Aliphatics >C21-C35	<100 µg/kg	TM173		38300	112000	122000	83400	319000	236000
Aliphatics >C35-C44	<100 µg/kg	TM173		11900	49800	47400	34600	119000	94000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		71200	268000	317000	179000	648000	515000
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	18.7
Aromatics >EC8-EC10	<10 µg/kg	TM089		26.3	537	297	537	33	567
Aromatics >EC10-EC12	<10 µg/kg	TM089		16.8	871	457	755	75.9	915
Aromatics >EC12-EC16	<100 µg/kg	TM173		1910	11600	21100	9500	24300	30100
Aromatics >EC16-EC21	<100 µg/kg	TM173		7860	32400	53600	28400	63900	73800
Aromatics >EC21-EC35	<100 µg/kg	TM173		38600	114000	137000	121000	209000	175000
Aromatics >EC35-EC44	<100 µg/kg	TM173		15800	54700	59500	69200	92500	79700
Aromatics >EC40-EC44	<100 µg/kg	TM173		6180	22100	22800	28800	36300	31100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		64200	212000	271000	228000	390000	359000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		135000	484000	590000	411000	1040000	877000

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA9	NCA9	NCA9	NCA9	NCA9	NCA9
			Depth (m)	0.30	1.30	2.00	3.00	4.10	5.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297653	8297654	8297655	8297656	8297657	8297660
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		23	55	105	51	71	45
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		54.5 #	326 M	1620 M	2390 M	1890 M	2410 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089		<10 #	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		4.12 #	4.48 M	13.8 M	12.9 M	12.5 M	2.18 M
Ethylbenzene	<3 µg/kg	TM089		<3 #	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		6.17 #	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 #	<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	13.8	16.1	11.4	21.8
Aliphatics >C6-C8	<10 µg/kg	TM089		13.4	22.4	94.7	209	44.6	125
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	48.2	309	543	333	503
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	125	585	744	754	849
Aliphatics >C12-C16	<100 µg/kg	TM173		2680	7100	51800	34500	55900	21300
Aliphatics >C16-C21	<100 µg/kg	TM173		9290	13200	49700	37900	49600	29300
Aliphatics >C21-C35	<100 µg/kg	TM173		40200	37100	125000	98500	78200	64300
Aliphatics >C35-C44	<100 µg/kg	TM173		26600	11700	52200	37200	31900	23500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		78800	69100	278000	208000	216000	138000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	13.8	12.9	12.5	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		11.3	33.6	210	363	224	337
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	84	390	496	502	566
Aromatics >EC12-EC16	<100 µg/kg	TM173		1280	1370	15600	9880	16900	6040
Aromatics >EC16-EC21	<100 µg/kg	TM173		7490	7680	34800	27800	30400	27300
Aromatics >EC21-EC35	<100 µg/kg	TM173		48300	43500	124000	93900	51000	103000
Aromatics >EC35-EC44	<100 µg/kg	TM173		29200	23000	64300	49300	19700	37500
Aromatics >EC40-EC44	<100 µg/kg	TM173		11900	8630	26100	21300	7110	14100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		86400	75500	239000	181000	118000	173000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		165000	145000	518000	391000	336000	314000

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA18	NCA18	NCA18	NCA18	NCA18	NCA18
			Depth (m)	0.30	1.00	2.10	3.10	4.00	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297576	8297577	8297578	8297579	8297580	8297582
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		31	44	39	46	65	43
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		183 M	7750 M	7170 M	1190 M	3270 M	2570 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	10.6 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		5.55 M	<2 M	<2 M	7.98 M	20.2 M	10.1 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		6.66 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		4.44 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		11.1	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		12.2	272	40.6	19.4	41.4	26.9
Aliphatics >C6-C8	<10 µg/kg	TM089		36.6	2110	461	75.2	302	176
Aliphatics >C8-C10	<10 µg/kg	TM089		37.7	1680	2030	227	803	604
Aliphatics >C10-C12	<10 µg/kg	TM089		30	1530	1970	424	940	808
Aliphatics >C12-C16	<100 µg/kg	TM173		10300	27000	42900	22200	23600	30000
Aliphatics >C16-C21	<100 µg/kg	TM173		25200	36800	58900	41400	40100	49300
Aliphatics >C21-C35	<100 µg/kg	TM173		58900	90500	75000	106000	101000	107000
Aliphatics >C35-C44	<100 µg/kg	TM173		20300	34200	14600	27700	22300	20300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		115000	189000	191000	198000	187000	206000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	10.6	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	20.2	10.1
Aromatics >EC8-EC10	<10 µg/kg	TM089		37.7	1120	1350	154	535	403
Aromatics >EC10-EC12	<10 µg/kg	TM089		20	1020	1320	283	626	539
Aromatics >EC12-EC16	<100 µg/kg	TM173		3330	8850	18300	8960	6720	9190
Aromatics >EC16-EC21	<100 µg/kg	TM173		12700	25100	37800	36500	26800	36200
Aromatics >EC21-EC35	<100 µg/kg	TM173		64800	109000	102000	163000	113000	145000
Aromatics >EC35-EC44	<100 µg/kg	TM173		33200	58900	39400	84300	49200	61800
Aromatics >EC40-EC44	<100 µg/kg	TM173		14500	23500	15700	34600	18500	22900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		114000	202000	198000	292000	196000	252000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		229000	398000	396000	491000	386000	461000

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA19	NCA19	NCA19	NCA19	NCA19	NCA19
			Depth (m)	0.40	1.20	2.00	3.10	4.30	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297583	8297585	8297586	8297587	8297589	8297591
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		16	5	8	83	57	62
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		412 M	420 M	1160 M	184 M	6000 M	1630 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		5.42 M	2.4 M	<2 M	4.64 M	<2 M	20.2 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		8.67 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		18.4	<10	12.2	<10	16.8	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		71.5	50.4	102	23.2	585	85.1
Aliphatics >C8-C10	<10 µg/kg	TM089		49.9	87.6	179	26.7	1470	349
Aliphatics >C10-C12	<10 µg/kg	TM089		132	127	448	63.8	1770	556
Aliphatics >C12-C16	<100 µg/kg	TM173		5470	13100	63800	15200	20300	12200
Aliphatics >C16-C21	<100 µg/kg	TM173		8320	19600	111000	23500	29700	16100
Aliphatics >C21-C35	<100 µg/kg	TM173		19100	36700	177000	57200	83600	44400
Aliphatics >C35-C44	<100 µg/kg	TM173		5190	7860	43800	18200	29500	10900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		38100	77300	396000	114000	163000	83700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	10.1	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	20.2
Aromatics >EC8-EC10	<10 µg/kg	TM089		44.4	60	119	17.4	979	233
Aromatics >EC10-EC12	<10 µg/kg	TM089		88.9	85.2	299	42.9	1180	371
Aromatics >EC12-EC16	<100 µg/kg	TM173		2990	3430	13100	2550	5410	1400
Aromatics >EC16-EC21	<100 µg/kg	TM173		6500	11900	56900	14600	19200	8180
Aromatics >EC21-EC35	<100 µg/kg	TM173		27100	42000	168000	64700	87800	39100
Aromatics >EC35-EC44	<100 µg/kg	TM173		15300	21500	71100	34900	54400	17100
Aromatics >EC40-EC44	<100 µg/kg	TM173		6690	8450	27600	13800	23300	6170
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		51900	78800	309000	117000	167000	65800
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		90400	157000	706000	231000	336000	151000

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA20	NCA20	NCA20	NCA20	NCA20	NCA20
			Depth (m)	0.30	1.00	2.00	3.10	4.10	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297593	8297596	8297598	8297603	8297606	8297609
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		43	45	43	30	57	43
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		3150 M	2250 M	713 M	2770 M	978 M	1150 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	2.38 M	11.8 M	5.75 M	5.65 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	6.9 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	<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	21.9	13.1	16.5	10.4	13.6
Aliphatics >C6-C8	<10 µg/kg	TM089		78.2	102	35.7	113	43.7	64.4
Aliphatics >C8-C10	<10 µg/kg	TM089		550	443	100	514	168	188
Aliphatics >C10-C12	<10 µg/kg	TM089		1280	825	296	1060	382	453
Aliphatics >C12-C16	<100 µg/kg	TM173		63700	31000	10500	16000	23000	17200
Aliphatics >C16-C21	<100 µg/kg	TM173		59700	35400	17300	28300	36300	27500
Aliphatics >C21-C35	<100 µg/kg	TM173		88500	69700	90600	90900	107000	72600
Aliphatics >C35-C44	<100 µg/kg	TM173		35000	30300	42100	28600	43400	22500
Total Aliphatics >C12-C44	<100 µg/kg	TM173		247000	166000	160000	164000	210000	140000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	11.8	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		370	301	69	346	114	127
Aromatics >EC10-EC12	<10 µg/kg	TM089		852	550	198	708	254	302
Aromatics >EC12-EC16	<100 µg/kg	TM173		15400	8150	4010	5930	5910	5310
Aromatics >EC16-EC21	<100 µg/kg	TM173		32700	21400	16200	22300	24700	18200
Aromatics >EC21-EC35	<100 µg/kg	TM173		95700	74800	93000	103000	112000	83800
Aromatics >EC35-EC44	<100 µg/kg	TM173		45900	39500	54600	46600	50800	36500
Aromatics >EC40-EC44	<100 µg/kg	TM173		18900	16000	22700	18000	19800	13700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		190000	144000	168000	178000	194000	144000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		440000	312000	329000	345000	404000	285000

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA21	NCA21	NCA21	NCA21	NCA21	NCA21
			Depth (m)	0.30	1.10	2.10	3.20	4.20	5.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297610	8297611	8297614	8297615	8297616	8297617
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		32	43	45	65	40	49
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		10200 M	9430 M	12900 M	7260 M	24500 M	9790 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		18.4 M	28.2 M	10.9 M	18.5 M	728 M	751 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		9.75 M	8.69 M	10.9 M	17.5 M	<6 M	15.2 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		9.75	<9	10.9	17.5	<9	15.2
sum of detected BTEX by GC	<24 µg/kg	TM089		28.2	28.2	<24	36	728	766
Aliphatics >C5-C6	<10 µg/kg	TM089		18.4	29.3	22.8	37.1	19.8	17.4
Aliphatics >C6-C8	<10 µg/kg	TM089		73.6	61.9	55.4	181	263	84.9
Aliphatics >C8-C10	<10 µg/kg	TM089		2370	2020	3270	1690	7160	2310
Aliphatics >C10-C12	<10 µg/kg	TM089		3680	3560	4430	2510	6960	3040
Aliphatics >C12-C16	<100 µg/kg	TM173		136000	290000	129000	57300	147000	121000
Aliphatics >C16-C21	<100 µg/kg	TM173		109000	239000	130000	63600	141000	139000
Aliphatics >C21-C35	<100 µg/kg	TM173		327000	541000	235000	152000	491000	440000
Aliphatics >C35-C44	<100 µg/kg	TM173		123000	229000	103000	82300	161000	166000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		694000	1300000	598000	355000	941000	865000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		18.4	28.2	10.9	18.5	728	751
Aromatics >EC8-EC10	<10 µg/kg	TM089		1590	1350	2190	1150	4770	1550
Aromatics >EC10-EC12	<10 µg/kg	TM089		2450	2380	2950	1670	4640	2030
Aromatics >EC12-EC16	<100 µg/kg	TM173		36600	91000	39400	15900	41200	44000
Aromatics >EC16-EC21	<100 µg/kg	TM173		61900	147000	78600	41400	79800	95400
Aromatics >EC21-EC35	<100 µg/kg	TM173		118000	259000	155000	135000	239000	284000
Aromatics >EC35-EC44	<100 µg/kg	TM173		51000	112000	70500	73000	103000	128000
Aromatics >EC40-EC44	<100 µg/kg	TM173		18400	42600	27300	30400	37800	48900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		267000	609000	344000	266000	464000	551000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		972000	1920000	955000	628000	1430000	1430000

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA22	NCA22	NCA22	NCA22	NCA22	NCA22
			Depth (m)	0.30	1.20	2.60	3.10	4.20	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297618	8297619	8297620	8297621	8297623	8297629
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		27	51	48	67	44	43
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		277 M	5090 M	2690 M	6230 M	15500 M	16500 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	12.2 M
Toluene	<2 µg/kg	TM089		8.59 M	34.6 M	<2 M	<2 M	1430 M	912 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		8.59 M	6.49 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	34.6	<24	<24	1430	924
Aliphatics >C5-C6	<10 µg/kg	TM089		23.6	19.5	16.5	53.6	16.7	23.3
Aliphatics >C6-C8	<10 µg/kg	TM089		70.9	80.1	168	936	287	564
Aliphatics >C8-C10	<10 µg/kg	TM089		39.7	938	584	1540	4040	4300
Aliphatics >C10-C12	<10 µg/kg	TM089		54.8	2030	919	1600	4240	4670
Aliphatics >C12-C16	<100 µg/kg	TM173		16400	191000	15900	73900	190000	135000
Aliphatics >C16-C21	<100 µg/kg	TM173		38500	164000	24200	96500	179000	134000
Aliphatics >C21-C35	<100 µg/kg	TM173		66600	302000	62000	192000	559000	492000
Aliphatics >C35-C44	<100 µg/kg	TM173		19300	96100	27400	58700	204000	188000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		141000	753000	130000	421000	1130000	949000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	12.2
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	34.6	<10	<10	1430	912
Aromatics >EC8-EC10	<10 µg/kg	TM089		38.7	632	389	1030	2690	2870
Aromatics >EC10-EC12	<10 µg/kg	TM089		36.5	1350	613	1070	2820	3120
Aromatics >EC12-EC16	<100 µg/kg	TM173		3780	49600	2230	11400	67300	47600
Aromatics >EC16-EC21	<100 µg/kg	TM173		15800	107000	11900	46300	123000	99100
Aromatics >EC21-EC35	<100 µg/kg	TM173		64200	260000	52500	179000	336000	320000
Aromatics >EC35-EC44	<100 µg/kg	TM173		25600	110000	26700	82100	158000	142000
Aromatics >EC40-EC44	<100 µg/kg	TM173		9830	42400	10700	32200	59400	53400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		109000	527000	93400	319000	685000	609000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		251000	1280000	226000	746000	1830000	1570000

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA7	NCA7	NCA7	NCA7	NCA7
			Depth (m)	0.30	1.20	2.30	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297630	8297632	8297633	8297635	8297637	8297638
			AGS Reference						
Dibromofluoromethane**	%	TM116		109	110	113	103	104	113
Toluene-d8**	%	TM116		98.2	109	99.8	101	102	104
4-Bromofluorobenzene**	%	TM116		116	101	106	101	104	98
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	201 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA7	NCA7	NCA7	NCA7	NCA7
			Depth (m)	0.30	1.20	2.30	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297630	8297632	8297633	8297635	8297637	8297638
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA7	NCA7	NCA7	NCA7	NCA7	NCA7
			Depth (m)	0.30	1.20	2.30	3.10	4.00	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297630	8297632	8297633	8297635	8297637	8297638
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA8	NCA8	NCA8	NCA8	NCA8	NCA8
			Depth (m)	0.30	1.00	2.20	3.00	4.30	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297642	8297644	8297645	8297650	8297648	8297649
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	105	111	114	105	106
Toluene-d8**	%	TM116		106	99.4	102	103	93	100
4-Bromofluorobenzene**	%	TM116		114	112	99.7	108	151	100
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 #	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 #	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 #	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 #	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA8	NCA8	NCA8	NCA8	NCA8	NCA8
			Depth (m)	0.30	1.00	2.20	3.00	4.30	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297642	8297644	8297645	8297650	8297648	8297649
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 #	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 #	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 #	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 #	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 #	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 #	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 #	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 #	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 #	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA8	NCA8	NCA8	NCA8	NCA8	NCA8
			Depth (m)	0.30	1.00	2.20	3.00	4.30	5.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297642	8297644	8297645	8297650	8297648	8297649
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA9	NCA9	NCA9	NCA9	NCA9	NCA9
			Depth (m)	0.30	1.30	2.00	3.00	4.10	5.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297653	8297654	8297655	8297656	8297657	8297660
			AGS Reference						
Dibromofluoromethane**	%	TM116		106	92.2	104	111	121	109
Toluene-d8**	%	TM116		101	87.9	103	97.7	99	98.5
4-Bromofluorobenzene**	%	TM116		114	126	103	112	101	110
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 #	<4 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<7	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<10	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 #	<13 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 #	<14 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 #	<6 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 #	<7 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 #	<11 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 #	<11 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 #	<8 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 #	<5 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<12 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 #	<14 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 #	<8 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 #	<7 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 #	<11 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 #	<14 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 #	<5 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 #	<9 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 #	<9 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 #	<12 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 #	<9 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 #	<7 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 #	<14 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 #	16.5 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<100	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 #	<10 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA9	NCA9	NCA9	NCA9	NCA9	NCA9
			Depth (m)	0.30	1.30	2.00	3.00	4.10	5.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297653	8297654	8297655	8297656	8297657	8297660
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 #	<5 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 #	<13 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 #	<12 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 #	<5 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 #	<4 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<14 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 #	<10 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 #	<10 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 #	<10 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 #	<5 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 #	<17 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 #	<10 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 #	<11 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 #	<9 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 #	<12 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<9 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 #	<10 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 #	<11 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 #	<6 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 #	<5 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 #	<10 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 #	<12 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 #	<14 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 #	<13 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA9	NCA9	NCA9	NCA9	NCA9	NCA9
			Depth (m)	0.30	1.30	2.00	3.00	4.10	5.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297653	8297654	8297655	8297656	8297657	8297660
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA18	NCA18	NCA18	NCA18	NCA18	NCA18
			Depth (m)	0.30	1.00	2.10	3.10	4.00	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297576	8297577	8297578	8297579	8297580	8297582
			AGS Reference						
Dibromofluoromethane**	%	TM116		106	110	108	111	110	109
Toluene-d8**	%	TM116		99.4	99.9	99.7	99.5	99.1	99.1
4-Bromofluorobenzene**	%	TM116		110	109	108	111	109	112
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA18	NCA18	NCA18	NCA18	NCA18	NCA18
			Depth (m)	0.30	1.00	2.10	3.10	4.00	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297576	8297577	8297578	8297579	8297580	8297582
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA18	NCA18	NCA18	NCA18	NCA18	NCA18
			Depth (m)	0.30	1.00	2.10	3.10	4.00	4.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013	15/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297576	8297577	8297578	8297579	8297580	8297582
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA19	NCA19	NCA19	NCA19	NCA19	NCA19
			Depth (m)	0.40	1.20	2.00	3.10	4.30	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297583	8297585	8297586	8297587	8297589	8297591
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	108	110	108	115	108
Toluene-d8**	%	TM116		98.7	92	99.3	99.4	97.3	99.5
4-Bromofluorobenzene**	%	TM116		116	169	110	102	102	105
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	290 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA19	NCA19	NCA19	NCA19	NCA19	NCA19
			Depth (m)	0.40	1.20	2.00	3.10	4.30	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297583	8297585	8297586	8297587	8297589	8297591
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA19	NCA19	NCA19	NCA19	NCA19	NCA19
			Depth (m)	0.40	1.20	2.00	3.10	4.30	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297583	8297585	8297586	8297587	8297589	8297591
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA20	NCA20	NCA20	NCA20	NCA20	NCA20
			Depth (m)	0.30	1.00	2.00	3.10	4.10	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297593	8297596	8297598	8297603	8297606	8297609
			AGS Reference						
Dibromofluoromethane**	%	TM116		110	109	109	111	112	112
Toluene-d8**	%	TM116		98.6	99.9	98.8	98.6	99.3	99.8
4-Bromofluorobenzene**	%	TM116		107	108	107	113	110	109
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA20	NCA20	NCA20	NCA20	NCA20	NCA20
			Depth (m)	0.30	1.00	2.00	3.10	4.10	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297593	8297596	8297598	8297603	8297606	8297609
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA20	NCA20	NCA20	NCA20	NCA20	NCA20
			Depth (m)	0.30	1.00	2.00	3.10	4.10	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297593	8297596	8297598	8297603	8297606	8297609
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NCA21	NCA21	NCA21	NCA21	NCA21	NCA21
			Depth (m)	0.30	1.10	2.10	3.20	4.20	5.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297610	8297611	8297614	8297615	8297616	8297617
			AGS Reference						
Dibromofluoromethane**	%	TM116		106	108	111	113	112	110
Toluene-d8**	%	TM116		97.9	98.8	97.8	99.6	99.8	98.7
4-Bromofluorobenzene**	%	TM116		108	109	110	110	109	111
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	166 M	<100 M	<100 M	3380 M	2040 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA21	NCA21	NCA21	NCA21	NCA21	NCA21
			Depth (m)	0.30	1.10	2.10	3.20	4.20	5.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297610	8297611	8297614	8297615	8297616	8297617
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA21	NCA21	NCA21	NCA21	NCA21	NCA21
			Depth (m)	0.30	1.10	2.10	3.20	4.20	5.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297610	8297611	8297614	8297615	8297616	8297617
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA22	NCA22	NCA22	NCA22	NCA22	NCA22
			Depth (m)	0.30	1.20	2.60	3.10	4.20	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297618	8297619	8297620	8297621	8297623	8297629
			AGS Reference						
Dibromofluoromethane**	%	TM116		108	108	107	109	111	111
Toluene-d8**	%	TM116		99	99.1	98.7	98.1	99	98.6
4-Bromofluorobenzene**	%	TM116		108	107	106	111	109	112
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	206 M	<100 M	<100 M	5510 M	7010 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA22	NCA22	NCA22	NCA22	NCA22	NCA22
			Depth (m)	0.30	1.20	2.60	3.10	4.20	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297618	8297619	8297620	8297621	8297623	8297629
			AGS Reference						
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	NCA22	NCA22	NCA22	NCA22	NCA22	NCA22
			Depth (m)	0.30	1.20	2.60	3.10	4.20	5.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013	16/10/2013
			Sample Time	.	.	.	.	.	.
			Date Received	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013	18/10/2013
			SDG Ref	131019-38	131019-38	131019-38	131019-38	131019-38	131019-38
			Lab Sample No.(s)	8297618	8297619	8297620	8297621	8297623	8297629
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

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	NCA7 0.30 SOLID 16/10/2013 00:00:00 131019-38 8297630 TM048	26/10/13	Lauren Sargeant	Loose fibres in soil.	Trace (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA7 1.20 SOLID 16/10/2013 00:00:00 131019-38 8297632 TM048	26/10/13	Lauren Sargeant	Loose fibres in soil.	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA7 2.30 SOLID 16/10/2013 00:00:00 131019-38 8297633 TM048	26/10/13	Lauren Sargeant	Loose fibres in soil.	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA7 3.10 SOLID 16/10/2013 00:00:00 131019-38 8297635 TM048	26/10/13	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	NCA7 4.00 SOLID 16/10/2013 00:00:00 131019-38 8297637 TM048	28/10/13	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

		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	NCA7 5.20 SOLID 16/10/2013 00:00:00 131019-38 8297638 TM048	26/10/13	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	NCA8 0.30 SOLID 16/10/2013 00:00:00 131019-38 8297642 TM048	28/10/13	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	NCA8 1.00 SOLID 16/10/2013 00:00:00 131019-38 8297644 TM048	26/10/13	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	NCA8 2.20 SOLID 16/10/2013 00:00:00 131019-38 8297645 TM048	26/10/13	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	NCA8 3.00 SOLID 16/10/2013 00:00:00 131019-38 8297650 TM048	28/10/13	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	NCA8 4.30 SOLID 16/10/2013 00:00:00 131019-38 8297648 TM048	26/10/13	Tomasz Pawlikowski	Loose fibres in soil.	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

		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	NCA8 5.10 SOLID 16/10/2013 00:00:00 131019-38 8297649 TM048	26/10/13	Lauren Sargeant	Loose fibres in soil.	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA9 0.30 SOLID 16/10/2013 00:00:00 131019-38 8297653 TM048	28/10/13	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	NCA9 1.30 SOLID 16/10/2013 00:00:00 131019-38 8297654 TM048	28/10/13	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	NCA9 2.00 SOLID 16/10/2013 00:00:00 131019-38 8297655 TM048	26/10/13	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	NCA9 3.00 SOLID 16/10/2013 00:00:00 131019-38 8297656 TM048	28/10/13	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	NCA9 4.10 SOLID 16/10/2013 00:00:00 131019-38 8297657 TM048	26/10/13	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

		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	NCA9 5.30 SOLID 16/10/2013 00:00:00 131019-38 8297660 TM048	28/10/13	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	NCA17 3.20 SOLID 16/10/2013 00:00:00 131019-38 8297661 TM048	04/11/13	Chris Swindells	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA17 4.00 SOLID 16/10/2013 00:00:00 131019-38 8297662 TM048	05/11/13	Paul Fenney	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	NCA17 5.00 SOLID 16/10/2013 00:00:00 131019-38 8297664 TM048	05/11/13	Paul Fenney	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA18 0.30 SOLID 15/10/2013 00:00:00 131019-38 8297576 TM048	26/10/13	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	NCA18 1.00 SOLID 15/10/2013 00:00:00 131019-38 8297577 TM048	28/10/13	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

		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	NCA18 2.10 SOLID 15/10/2013 00:00:00 131019-38 8297578 TM048	28/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA18 3.10 SOLID 15/10/2013 00:00:00 131019-38 8297579 TM048	26/10/13	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	NCA18 4.00 SOLID 15/10/2013 00:00:00 131019-38 8297580 TM048	26/10/13	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	NCA18 4.20 SOLID 15/10/2013 00:00:00 131019-38 8297582 TM048	28/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA19 0.40 SOLID 16/10/2013 00:00:00 131019-38 8297583 TM048	25/10/13	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	NCA19 1.20 SOLID 16/10/2013 00:00:00 131019-38 8297585 TM048	25/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

		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	NCA19 2.00 SOLID 16/10/2013 00:00:00 131019-38 8297586 TM048	28/10/13	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	NCA19 3.10 SOLID 16/10/2013 00:00:00 131019-38 8297587 TM048	28/10/13	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	NCA19 4.30 SOLID 16/10/2013 00:00:00 131019-38 8297589 TM048	26/10/13	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	NCA19 5.20 SOLID 16/10/2013 00:00:00 131019-38 8297591 TM048	26/10/13	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	NCA20 0.30 SOLID 16/10/2013 00:00:00 131019-38 8297593 TM048	26/10/13	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	NCA20 1.00 SOLID 16/10/2013 00:00:00 131019-38 8297596 TM048	26/10/13	Lauren Sargeant	Loose fibres in soil.	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

		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	NCA20 2.00 SOLID 16/10/2013 00:00:00 131019-38 8297598 TM048	28/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA20 3.10 SOLID 16/10/2013 00:00:00 131019-38 8297603 TM048	28/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA20 4.10 SOLID 16/10/2013 00:00:00 131019-38 8297606 TM048	25/10/13	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	NCA20 5.20 SOLID 16/10/2013 00:00:00 131019-38 8297609 TM048	26/10/13	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	NCA21 0.30 SOLID 16/10/2013 00:00:00 131019-38 8297610 TM048	26/10/13	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	NCA21 1.10 SOLID 16/10/2013 00:00:00 131019-38 8297611 TM048	25/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

		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	NCA21 2.10 SOLID 16/10/2013 00:00:00 131019-38 8297614 TM048	28/10/13	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	NCA21 3.20 SOLID 16/10/2013 00:00:00 131019-38 8297615 TM048	25/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA21 4.20 SOLID 16/10/2013 00:00:00 131019-38 8297616 TM048	26/10/13	Paul Fenney	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA21 5.40 SOLID 16/10/2013 00:00:00 131019-38 8297617 TM048	28/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA22 0.30 SOLID 16/10/2013 00:00:00 131019-38 8297618 TM048	26/10/13	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	NCA22 1.20 SOLID 16/10/2013 00:00:00 131019-38 8297619 TM048	26/10/13	Paul Fenney	Loose fibres in soil	Trace (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

		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	NCA22 2.60 SOLID 16/10/2013 00:00:00 131019-38 8297620 TM048	28/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA22 3.10 SOLID 16/10/2013 00:00:00 131019-38 8297621 TM048	26/10/13	Paul Fenney	Soil containing loose fibres and AC debris	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	NCA22 4.20 SOLID 16/10/2013 00:00:00 131019-38 8297623 TM048	28/10/13	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	NCA22 5.20 SOLID 16/10/2013 00:00:00 131019-38 8297629 TM048	26/10/13	Paul Fenney	Soil containing loose fibres and debris typical of bitumen	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Test Completion Dates

Lab Sample No(s)	8297630	8297632	8297633	8297635	8297637	8297638	8297642	8297644	8297645	8297648
Customer Sample Ref.	NCA7	NCA7	NCA7	NCA7	NCA7	NCA7	NCA8	NCA8	NCA8	NCA8
AGS Ref.										
Depth	0.30	1.20	2.30	3.10	4.00	5.20	0.30	1.00	2.20	4.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	26-Oct-2013	26-Oct-2013	26-Oct-2013	26-Oct-2013	28-Oct-2013	26-Oct-2013	28-Oct-2013	26-Oct-2013	26-Oct-2013	26-Oct-2013
EPH CWG (Aliphatic) GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
EPH CWG (Aromatic) GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
GRO by GC-FID (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
Metals in solid samples by OES	28-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013
pH	24-Oct-2013	24-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
Sample description	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013
Semi Volatile Organic Compounds	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
Total Organic Carbon	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013
TPH CWG GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
VOC MS (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013

Lab Sample No(s)	8297649	8297650	8297653	8297654	8297655	8297656	8297657	8297660	8297661	8297662
Customer Sample Ref.	NCA8	NCA8	NCA9	NCA9	NCA9	NCA9	NCA9	NCA9	NCA17	NCA17
AGS Ref.										
Depth	5.10	3.00	0.30	1.30	2.00	3.00	4.10	5.30	3.20	4.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	26-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	26-Oct-2013	28-Oct-2013	26-Oct-2013	28-Oct-2013	05-Nov-2013	05-Nov-2013
EPH CWG (Aliphatic) GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013		
EPH CWG (Aromatic) GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013		
GRO by GC-FID (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013		
Metals in solid samples by OES	29-Oct-2013	29-Oct-2013	29-Oct-2013	28-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	28-Oct-2013		
pH	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	25-Oct-2013	01-Nov-2013	01-Nov-2013
Sample description	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	31-Oct-2013	31-Oct-2013
Semi Volatile Organic Compounds	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013		
Total Organic Carbon	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013		
TPH CWG GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013		
VOC MS (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	23-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013		

Lab Sample No(s)	8297664	8297576	8297577	8297578	8297579	8297580	8297582	8297583	8297585	8297586
Customer Sample Ref.	NCA17	NCA18	NCA18	NCA18	NCA18	NCA18	NCA18	NCA19	NCA19	NCA19
AGS Ref.										
Depth	5.00	0.30	1.00	2.10	3.10	4.00	4.20	0.40	1.20	2.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	05-Nov-2013	26-Oct-2013	28-Oct-2013	28-Oct-2013	26-Oct-2013	26-Oct-2013	28-Oct-2013	25-Oct-2013	25-Oct-2013	28-Oct-2013
EPH CWG (Aliphatic) GC (S)		25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
EPH CWG (Aromatic) GC (S)		25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
GRO by GC-FID (S)		25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013
Metals in solid samples by OES		28-Oct-2013	28-Oct-2013	28-Oct-2013	29-Oct-2013	28-Oct-2013	29-Oct-2013	28-Oct-2013	29-Oct-2013	28-Oct-2013
pH	01-Nov-2013	25-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013	24-Oct-2013
Sample description	31-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013
Semi Volatile Organic Compounds		25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013
Total Organic Carbon		28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013
TPH CWG GC (S)		25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
VOC MS (S)		25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013

Lab Sample No(s)	8297587	8297589	8297591	8297593	8297596	8297598	8297603	8297606	8297609	8297610
Customer Sample Ref.	NCA19	NCA19	NCA19	NCA20	NCA20	NCA20	NCA20	NCA20	NCA20	NCA21
AGS Ref.										
Depth	3.10	4.30	5.20	0.30	1.00	2.00	3.10	4.10	5.20	0.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	28-Oct-2013	26-Oct-2013	26-Oct-2013	26-Oct-2013	26-Oct-2013	28-Oct-2013	28-Oct-2013	25-Oct-2013	26-Oct-2013	26-Oct-2013
EPH CWG (Aliphatic) GC (S)	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
EPH CWG (Aromatic) GC (S)	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
GRO by GC-FID (S)	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
Metals in solid samples by OES	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	29-Oct-2013	28-Oct-2013	28-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013
pH	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013
Sample description	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013
Semi Volatile Organic Compounds	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
Total Organic Carbon	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013
TPH CWG GC (S)	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
VOC MS (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013

CERTIFICATE OF ANALYSIS

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

Lab Sample No(s)	8297611	8297614	8297615	8297616	8297617	8297618	8297619	8297620	8297621	8297623
Customer Sample Ref.	NCA21	NCA21	NCA21	NCA21	NCA21	NCA22	NCA22	NCA22	NCA22	NCA22
AGS Ref.										
Depth	1.10	2.10	3.20	4.20	5.40	0.30	1.20	2.60	3.10	4.20
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	25-Oct-2013	28-Oct-2013	25-Oct-2013	26-Oct-2013	28-Oct-2013	26-Oct-2013	26-Oct-2013	28-Oct-2013	26-Oct-2013	28-Oct-2013
EPH CWG (Aliphatic) GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	24-Oct-2013
EPH CWG (Aromatic) GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	24-Oct-2013
GRO by GC-FID (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	24-Oct-2013
Metals in solid samples by OES	28-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	29-Oct-2013	25-Oct-2013	25-Oct-2013
pH	24-Oct-2013	24-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
Sample description	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	22-Oct-2013	21-Oct-2013	21-Oct-2013
Semi Volatile Organic Compounds	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013
Total Organic Carbon	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	28-Oct-2013	25-Oct-2013	25-Oct-2013
TPH CWG GC (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	24-Oct-2013	24-Oct-2013
VOC MS (S)	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013	25-Oct-2013

Lab Sample No(s)	8297629
Customer Sample Ref.	NCA22
AGS Ref.	
Depth	5.20
Type	SOLID
Asbestos ID in Solid Samples	26-Oct-2013
EPH CWG (Aliphatic) GC (S)	24-Oct-2013
EPH CWG (Aromatic) GC (S)	24-Oct-2013
GRO by GC-FID (S)	24-Oct-2013
Metals in solid samples by OES	25-Oct-2013
pH	25-Oct-2013
Sample description	21-Oct-2013
Semi Volatile Organic Compounds	25-Oct-2013
Total Organic Carbon	25-Oct-2013
TPH CWG GC (S)	24-Oct-2013
VOC MS (S)	25-Oct-2013

SDG:	131019-38	**Location:**	Coed Darcy	**Order Number:**	CD0517
Job:	H_ATKINS_LDC-184	**Customer:**	Atkins Global Ltd	**Report Number:**	248669
Client Reference:	NCA	**Attention:**	Jack Lowrie	**Superseded Report:**	247715

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**
§	**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.

Appendi F Coal Authority Report

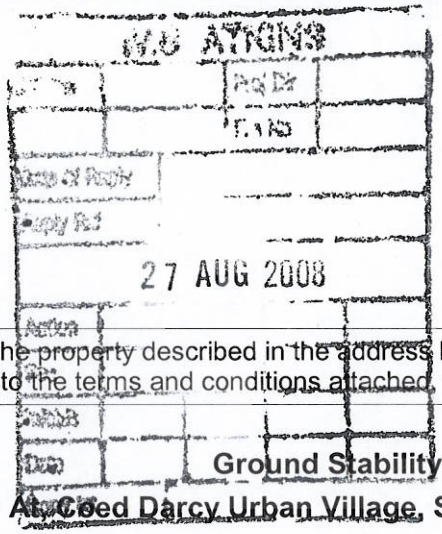
The Coal Authority

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Issued by:

Ground Stability Report Office, 200 LICHFIELD LANE, BERRY HILL, MANSFIELD, NOTTINGHAMSHIRE, NG18 4RG
Website: www.coalminingreports.co.uk - Phone: 0845 762 6848 - DX 716176 MANSFIELD 5

ATKINS,
THE AXIS 10,
HOLLIDAY STREET,
BIRMINGHAM,
WEST MIDLANDS,
B1 1TF



Person dealing with this matter:	**Simon Leeming**
Our reference:	**00056014-08**
Your reference:	
Electronic Ref:	
RRUID:	007.00023581370001
Date of your enquiry:	**15 August 2008**
Date we received your enquiry:	**15 August 2008**
Date of issue:	

This report is for the property described in the address below and the attached plan. The report is issued subject to the terms and conditions attached, which you are strongly advised to read.

Ground Stability Report

Site At Coed Darcy Urban Village, Swansea, West Glamorgan

This report is based on and limited to the records in the possession of the Coal Authority; the records and geological interpretation of The British Geological Survey (BGS) and the records of the Cheshire Brine Subsidence Compensation Board, at the time the search is answered.

Coal mining	Yes
Shrinkable clay	Yes
Running sand	Yes
Compressible deposits	Yes
Collapsible deposits	No
Landslide potential	Yes
Soluble rocks	No
Brine extraction	No

Information from the Coal Authority

Underground Coal Mining

Past

The property is in the likely zone of influence from workings in 4 seams of coal at shallow to 180m depth, and last worked in 1914.

Present

The property is not in the likely zone of influence of any present underground coal workings.

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Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

Within, or within 20 metres of, the boundary of the property there are 25 mine entries, the approximate positions of which are shown on the attached plan.

Coal Authority records disclose the following information:

271195-007. This shaft was filled and capped in February 1973 .
272195-004. No treatment details.
272196-007. Shaft plugged with 3m deep concrete mass and capped with reinforced concrete cap 6.2m x 4.2m x 0.5m deep. Underside of plug 3.75m below ground level and foundation depth of cap is 0.75m .Work carried out in 1995 by IMCL for the Coal Authority. .
271195-008. No treatment details.
272195-006. No treatment details.
272196-006. This shaft was plugged and capped in May/June 1995. The dimensions of cap 6.2m x 4.2m x 0.5m .
271194-002. No treatment details.
272195-001. No treatment details.
271195-004. No treatment details.
270195-001. No treatment details.
271195-006. No treatment details.
270195-003. No treatment details.
271195-005. A 6.4m reinforced concrete cap is placed over this filled mine shaft at rockhead. A stainless steel vent pipe has been incorporated through the backfill above the cap. A marker post marks the position of the shaft at the surface. These works were undertaken by Dean and Dyball Constuction Ltd to a design provided by Quadrant Consulting Engineers in accordance with CIRIA gudelines .
271194-005. No treatment details.
270193-009. No treatment details.
272195-003. No treatment details.
272195-005. No treatment details.
272196-001. This shaft was filled to an unknown specification in June 1972. .
271194-006. No treatment details.
270195-002. No treatment details.
270193-010. No treatment details.
270194-001. No treatment details.
271194-003. No treatment details.
271195-009. No treatment details.
271194-004. No treatment details.

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

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Coal-mining geology

At the surface, there are no known faults or other lines of weakness due to coal mining that have made the property unstable.

Opencast Coal Mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal-mining subsidence

The Coal Authority has not received a damage notice or claim for the property since 1 January 1984. There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority has not received a request to carry out preventive work before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of Support

The property is not in an area for which a notice of entitlement to withdraw support has been published.

The property is not in an area for which a notice has been given under section 41 of the Coal Industry Act 1994, revoking the entitlement to withdraw support.

Working Facilities Orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to Owners of Former Copyhold Land

The property is not in an area for which a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

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Comments on Coal Authority information

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/ former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Information from the British Geological Survey on potential for natural ground movement

Shrinkable Clay

The property is in an area underlain by clay. Clay can swell or shrink if the moisture content changes.

However, the clay deposits in this area are considered to be mainly of "low plasticity". This means it is unlikely that they will cause ground movement.

Running sand

The property is in an area underlain by sand. Some sands, if voids are present, may flow if they come into contact with water.

The nature of the sand deposits in this area means that ground movement could occur.

Deposits which could compress

The property is in an area underlain by natural compressible deposits. When this material is overloaded, or dries out, it can become unstable causing ground movement.

Because of these compressible deposits, ground movement could occur.

Deposits which could collapse

The property is not in an area underlain by deposits which could collapse and cause ground movement.

Natural landslide activity

The property is in an area where the local geology and steepness of slope could combine to create the likelihood of landslide activity.

Because of the nature of the geology in this area landslide activity could occur.

Soluble rocks

The property is not in an area underlain by soluble rocks.

Comments on the British Geological Survey information

These features should not necessarily give cause for concern.

Whether or not a property is affected by ground movement can depend on a number of factors such as its age, type of construction, and on its surroundings and such matters as drainage and nearby trees.

Since 1992 buildings should have been designed and constructed according to buildings regulations to ensure natural ground movement will not cause damage to a building.

However, you should consider the possible consequences before you:

- carry out any building or excavation work;
- alter the ground surface or drainage of surface or ground water; or
- plant or remove large shrubs or trees

Ground movement can cause uneven damage or subsidence to a property.

Developers should always carry out an appropriate risk assessment before starting any work on, or around, a property.

If you own the property and it is damaged by ground movement: You should contact your insurance company and anyone else who has an interest in the property, for example, the mortgage lender.

If you are considering buying the property and BGS has identified that ground movement could occur you should tell your professional advisers.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority, British Geological Survey and the Cheshire Brine Subsidence Compensation Board's Terms and Conditions 2006. These are available to view at www.groundstability.com or by contacting the Coal Authority's customer service team on 0845 762 6848 or by email to groundstability@coal.gov.uk. These terms and conditions apply regardless of the method used to order and receive reports. The report is compliant with Home Information Pack and Purchaser Information Pack requirements.

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