

Sample Ref	Depth (m bgl)	Arsenic as At, 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, alphatic	VPH >C6 - C8, alphatic	VPH >C8 - C10, alphatic	EPH >C10 - C12, alphatic	EPH >C12 - C16, alphatic	EPH >C16 - C21, alphatic	EPH >C21 - C24, alphatic	EPH >C24 - C35, alphatic	VPH >C6 - C10, 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	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Vinyl Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1,1-Trichloroethene	Carbon tetrachloride	1,2-Dichloroethane	Trichloroethene	Tetrachloroethene		
		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	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
P2TP45	0.30-	17.7	0.241	14.1	45.2	69.3	0.401	26.8	<1	16.7	182	<40	47.8	250	139	70600	128000	243000	68100	<40	<40	183	927	3630	24600	96000	<40	<8	<12	<24	<12										
P2TP46	0.50-	28	0.104	14.7	87.6	48.4		27.3		16.8	301	<40	<40	174	758	86200	122000	219000	64500	<40	<40	120	506	9090	39900	131000	<40	<8	<12	<24	<12										
P2TP47	0.50-	15.2	0.227	16.7	63.6	89.7	0.571	30	<1	21.5	233	<40	50.6	123	717	37900	48000	80000	20300	<40	<40	825	477	2190	10300	44900	<40	<8	<12	<24	<12										
P2TP48	0.50-	15.2	0.227	16.7	63.6	89.7	0.571	30	<1	21.5	233	<40	50.6	123	717	37900	48000	80000	20300	<40	<40	825	477	2190	10300	44900	<40	<8	<12	<24	<12										
P2TP49	0.50-	16.4	0.0737	13.1	61.7	52.5	0.384	25.9	<1	15.3	189	<40	31.4	167	567	78400	116000	221000	67500	<40	<40	102	378	3590	20000	80100	<40	<8	<12	<24	<12										
P2TP50	0.40-	1.19	<0.02	14.7	48.5	<0.7	<0.14	0.959	<1	16.8	3.66	<40	67.7	485	1850	117000	134000	234000	51400	<40	<40	330	1230	20200	70500	204000	<40	16.7	<12	<24	<12										
P2TP51	0.50-	16.1	0.159	14.7	47.3	69.1	0.195	27.5	<1	17.4	212	<40	168	1660	5030	188000	180000	283000	72500	<40	<40	1120	3350	41600	99500	196000	<40	<8	<12	<24	<12										
P2TP52	0.50-	16.7	0.274	13.8	47	79.5	0.151	26.9	<1	14.6	284	62.7	1990	5220	6810	313000	263000	356000	76100	<40	<40	3620	4540	66100	153000	279000	<40	<8	<12	<24	<12										
P2TP53	0.50-	13.9	0.138	15.5	41.9	82.4	0.325	32.3	<1	13.9	183	<40	314	1830	314	145000	148000	245000	54400	<40	<40	1300	2620	18300	58300	145000	<40	<8	<12	<24	<12										
P2TP53	0.50-	38.8	0.313	13.1	61.3	126	0.401	26.9	<1	17.3	356	<40	316	1600	3580	272000	265000	803000	157000	<40	<40	1090	2390	55500	139000	478000	<40	<8	<12	<24	<12										
P2TP53	1.50-	21.7	0.244	16.5	63.7	77.7	<0.14	27.6	1.05	23	216	<40	101	700	2070	55900	73400	151000	30800	<40	<40	470	1380	11400	38500	94000	<40	<8	<12	<24	<12										
P2TP54	0.50-	15	0.115	14	41.2	46.6	0.213	24.2	<1	17	144	<40	<40	54.9	138	28400	86800	201000	47100	<40	<40	40.6	92.1	5600	34600	139000	<40	<8	<12	<24	<12										
P2TP54	1.50-	37.3	0.109	16.1	113	429	<0.14	31.2	1.26	20	686	<40	270	1930	4290	203000	204000	344000	67500	<40	<40	1280	2890	37400	101000	200000	<40	<8	<12	<24	<12										
P2TP55	0.50-	17.5	0.0907	16.9	49.5	65.9	0.328	29.4	<1	21.3	229	<40	51.8	73.8	189	9240	50700	142000	33100	<40	<40	51.9	125	9180	20700	96600	<40	<8	<12	<24	<12										
P2TP55	1.50-	11.6	<0.02	16.4	30.1	30.8	<0.14	38.6	<1	16.2	116	<40	77.4	313	962	16000	38700	56000	11900	<40	<40	219	642	2670	9930	32800	<40	<8	<12	<24	<12										
P2TP56	0.50-	23.2	0.632	17.1	75.2	77.9	0.524	30.8	<1	20.4	283	<40	67.9	372	1450	29900	55600	108000		<40	<40	249	964	2960	15500	73600	23900	<40	<8	<12	<24	<12									
P2TP56	1.50-	16	0.03	18.1	43	112	0.344	36.8	<1	17.1	159	51.2	156	339	949	41800	69600	111000	<40	<40	240	633	3170	14100	49300	118700	<40	<8	<12	<24	<12										
P2TP57	0.50-	15.4	0.0973	17.1	33.5	43.9	0.569	22.3	<1	14	128	<40	105	692	2070	113000	158000	335000		<40	<40	464	1380	4080	22200	116000	50400	<40	<8	<12	<24	<12									
P2TP58	0.50-	15.4	0.159	13.2	38	53.6	0.96	22.8	<1	14.9	152	<40	85.3	232	931	114000	141000	515000	<40	<40	170	620	4970	18100	119000	45300	<40	<8	<12	<24	<12										
P2TP58	1.50-	20.1	0.223	36.9	59.9	111	0.367	28.3	1.25	18	264	<40	273	1450	3660	99900	125000	230000	<40	<40	1100	2440	12000	48000	139000	48000	<40	<8	<12	<24	<12										
P2TP59	0.50-	18.9	0.366	16	42	83	0.188	29.8	<1	18.7	219	<40	173	994	3280	131000	132000	195000	<40	<40	736	2190	25900	78100	163000	51100	<40	<8	<12	<24	<12										
P2TP59	1.50-	23.6	0.361	18.9	59.6	110	0.232	29.8		19.9	253	<40	259	1089	3240	144000	140000	243000	<40	<40	988	2480	27300	76600	185000	63800	<40	<8	<12	<24	<12										
P2TP60	0.50-	14.9	0.0629	15.9	33	45.5	0.122	31.7	<1	14.4	134	<40	122	686	1420	57500	56700	119000	24700	<40	<40	517	1590	11800	57200	284000	<40	<8	<12	<24	<12										
P2TP61	0.50-	15.6	0.169	14.1	37.4	67.8	0.693	31.8	1.06	15	178	<40	80.4	599	2270	126000	164000	342000	<40	<40	437	1510	12700	47900	158000	54500	<40	<8	<12	<24	<12										
P2TP62	0.50-	23.9	0.473	16.5	75	21.2	0.532	28	<1	20.2	305	<40	43.3	104	455	25300	37200	85400	<40	<40	72.2	303	3220	17000	60300	29700	<40	<8	<12	<24	<12										
P2TP63	0.50-	18.3	0.169	23.6	54.9	68.9	0.747	27	<1	19.7	198	<40	50	121	512	42100	52600	94600	<40	<40	83.3	341	6130	24200	87700	46700	<40	<8	<12	<24	<12										
P2TP63	1.50-	14.6	0.0074	15.1	53.5	76.9	0.346	28		19.5	166	<40	128	426	128	43600	42600	72000	<40	<40	128	436	43600	42600	72000	<40	<8	<12	<24	<12											
P2TP64	0.50-	11.1	0.047	26	19.8	37.3	0.174	31.8	<1	39.2	78.8	<40	28	435	1600	119000	129000	289000	<40	<40	393	1070	11800	52900	168000	68100	<40	<8	<12	<24	<12										
P2TP64	1.00-	35.4	0.441	15.3	43.9	67.7	0.295	27.3	<1	18.7	193	<40	82.9	457	1490	131000	179000	320000	<40	<40	315	992	7560	31200	147000	54000	<40	<8	<12	<24	<12										
P2TP65	0.50-	16.4	0.0321	14.5	29.2	40.5	0.442	26.1	<1	16	109	<40	54.7	179	732	66500	114000	204000	<40	<40	129	489	4100	25400	115000	42200	<40	<8	<12	<24	<12										
P2TP65	1.00-	15.7	0.433	16.6	36.6	66.3	0.627	30.9	<1	17	183	<40	95.6	372	1330	101000	141000	244000	<40	<40	257	889	19200	66200	191000	73400	<40	<8	<12	<24	<12										
P2TP66	0.50-	12.8	0.0617	15.1	40.9	51.4	0.401	26.9	<1	13.5	163	<40	82.7	309	1170	145000	90800	152000	<40	<40	216	975	3220	6270	75100	31000	<40	<8	<12	<24	<12										
P2TP66	1.00-	16.6	0.0972	14.2	60.6	68.4	0.553	28.4	1.3	15.4	236	<40	80.4	158	480	65700	94600	222000	<40	<40	110	320	8840	18200	101000	40700	<40	<8	<12	<24	<12										
P2TP67	0.50-	17.1	0.157	17.4	43.7	73.2	0.887	25.3	<1	19.1	208	<40	55	488	1650	128000	169000	371000	<40	<40	337	1100	5080	22300	172000	58700	<40	<8	<12	<24	<12										
P2TP67	1.50-	17.9	0.234	14.3	45.5	90.4	0.429	22.9	<1	15.2	222	<40	540	3710	7400	264000	308000	534000	<40	<40	2470	4930	11800	73900	19500																

Sample Ref	Depth (m hg)	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	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Vinyl Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	Carbontetrachloride	1,2-Dichloroethane	Trichloroethene	Tetrachloroethene		
		mg/kg	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	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
RD106	1.20-	14.5	0.193	15.6	31.5	30.2	0.239	26.3	<1	17.8	89.4	14.4	183	1190	1990	49400	40800	39300	<100	<10	<10	795	1330	20800	33600	78400	<10	<2	<3	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD106	1.80-	13.8	0.117	13.8	25.6	48	0.193	21.9	<1	21.1	98.8	66.6	3130	8000	6830	51300	32000	31000	5940	<10	<10	1550	2430	10700	38600	515000	<10	<2	<3	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD106	0.20-	22.4	0.419	16.5	61.9	79.9	0.744	26.6	<1	22.3	240	18.4	125	458	774	12300	21000	49500	16500	<10	<10	307	516	7120	20300	65200	<10	6.9	<3	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD107	1.00-	32.6	0.739	15.1	81.7	208	0.737	28.1	<1	19.5	668	20.2	245	1300	2620	43400	51000	98600	27400	14.6	<10	894	1750	24200	89900	280000	<10	14.6	28	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD107	2.30-	25.4	0.255	14.7	54.8	40.1	0.217	26.6	<1	19.6	478	16.1	113	570	1540	58100	60500	128000	35400	<10	<10	388	1030	23400	57100	212000	<10	<2	8.05	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD107	3.00-	7.53	<0.02	13.3	4.94	11.9	<0.14	31.8	<1	12.4	63.8	21.9	428	2520	4330	72400	51000	91300	21000	<10	<10	1750	2890	20700	36300	120000	<10	<2	64.4	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD107	3.80-	24	0.869	18.6	58.4	88.4	0.693	25.2	<1	23.9	344	26	518	2320	3640	26400	33900	361000	324000	<10	<10	1550	2430	10700	38600	515000	<10	<2	<3	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD108	0.30-	27.5	0.467	17.4	78.5	182	0.358	36.3	<1	19.8	304	20.7	80.5	383	1180	3940	16300	52700	15100	49.5	<10	266	788	1430	8690	54000	<10	49.5	5.75	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD108	1.00-	16.2	0.368	21.3	110	90.9	0.449	90.8	<1	18.8	209	25.3	149	899	1990	26900	38500	84300	24500	75.9	<10	681	1330	9720	26100	118000	<10	75.9	16.5	50.6	20.9	<20	<22	<100	<140	<28	<10	<18	<10	<10	
RD108	2.10-	20.9	0.388	18.4	63.1	120	0.322	36.1	<1	18.2	337	<10	<10	13.2	2880	14100	36300	36300	14500	<10	<10	11	<10	1140	8960	43800	<10	<2	<3	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD108	3.20-	13.5	0.146	17.5	31.4	57.2	0.245	41.3	<1	18.1	183	27.2	169	894	2110	35100	46400	55000	18800	37	<10	596	1410	13500	33300	73000	<10	37	<3	<6	<3	<20	<22	<100	<14	<28	<10	<18	<10	<10	
RD108	3.80-	12.6	0.639	16.4	28	53.3	<0.14	38.9	<1	16.6	165	14.2	50.2	221	435	59400	61900	74200	16500	<10	<10	148	290	14800	38800	70200	<10	5.46	<3	<6	<3	<20	<22	<100	<14	<28	<10	<18	<10	<10	
RD109	0.80-	10.9	0.579	20.4	25.3	31.2	<0.14	40.2	<1	19.5	109	51.4	179	520	1520	63800	62100	82600	16400	37.2	15.3	357	1010	15100	38200	65400	14.1	28.2	<3	<6	<3	<200	<220	<100	<140	<280	<100	<180	<100	<100	
RD109	0.20-	6.67	0.456	17.2	21.1	21.3	<0.14	39	<1	15.6	90.5	34.8	122	415	1330	36000	43600	51400	8640	28.2	14.1	281	884	10900	28600	48600	15.3	37.2	5.47	<6	<3	<20	<22	<100	<14	<28	<10	<18	<10	<10	
RSOTP02	0.50-	21.3	0.29	17.5	77.6	84.8	0.341	30.2	1.07	20.4	337	<40	<40	72.3	124	25500	39300	63400	17800	<40	<40	50.4	82.2	4520	18000	60600	<40	<8	<12	<24	<12	<24									
RSOTP02	1.50-	19.7	0.457	18.7	58.2	70.7	<0.14	26.4	<1	18.2	222	<40	<40	<40	<40	5760	11400	29300	8500	<40	<40	<40	<40	1720	6010	25200	<40	<8	<12	<24	<12										
RSOTP03	0.50-	18.7	0.42	13.4	51.5	80.2	0.513	23.6	<1	17.2	239	<40	105	1020	3470	181000	182000	300000	67100	<40	<40	889	2310	23200	75700	212000	<40	<8	<12	<24	<12	<24									
RSOTP03	1.50-	28.7	0.258	13.4	92.1	121	0.301	22.1	<1	16.7	287	<40	90.1	572	2390	171000	171000	314000	67100	<40	<40	383	1600	16100	65700	197000	<40	<8	<12	<24	<12										
RSOTP1	0.50-	21.1	0.502	16.8	63.5	71.3	<0.14	26.9	<1	19.5	219	<40	<40	<40	<40	<100	<100	<100	<100	<40	<40	<40	<40	601	2780	16300	<40	<8	<12	<24	<12										
RSOTP1	1.50-	21.6	0.484	16.3	63.6	70.4	<0.14	27.3	<1	18.8	227	<40	<40	<40	<40	1370	2280	11000	4530	<40	<40	<40	<40	822	6950	24700	<40	<8	<12	<24	<12										
maximum		183	2.8	276	652	1080	19.1	216	3.88	242	4760	819	24500	69000	99000	2030000	2480000	4110000	470000	438	2470	46000	66000	382000	808000	1080000	438	899	90.7	50.6	340	0	0	33.7	0	0	262	0	<100	<100	
resi >1		-	-	-	-	-	-	-	-	-	-	112000	-	42500	-	-	-	-	-	460	146000	71000	1390000	-	-	-	400	52000	140000	58000	58000	0.93	332	206	10800	30.9	11.1	188	2300	<100	<100

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
P1TP001	0.50-	27.2	50.2	105	490	700	254	471	304	459	652	40.2	257	374	554	71.9	86.8
P1TP001	1.30-	<12	17.2	31.2	42.1	85.2	31.6	70.4	58.3	87.9	124	49.3	43.8	130	120	46.1	<23
P1TP2	0.40-	<100	<100	<100	193	168	<100	162	<100	513	222	<100	<100	255	260	<100	<100
P1TP2	0.60-	<100	<100	<100	177	130	<100	142	<100	244	313	<100	<100	229	362	110	<100
P1TP3	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP3	0.70-	<100	<100	<100	257	194	172	218	117	249	446	<100	<100	279	401	<100	<100
P1TP4	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	117	121	<100	<100	171	153	<100	<100
P1TP4	0.50-	<100	<100	116	467	378	343	445	216	548	625	<100	198	491	682	117	<100
P1TP5	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP5	0.90-	<100	<100	<100	137	142	<100	156	<100	199	181	<100	<100	126	225	<100	<100
P1TP6	0.20-	<100	<100	<100	149	<100	<100	<100	<100	225	223	<100	<100	250	217	<100	<100
P1TP6	0.60-	<100	<100	<100	132	<100	<100	<100	<100	162	257	<100	<100	252	216	<100	<100
P1TP7	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	120	174	<100	<100	149	165	<100	<100
P1TP7	1.00-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP8	0.20-	<100	<100	<100	299	220	181	219	123	295	476	<100	112	413	360	<100	<100
P1TP8	0.60-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP9	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP9	0.60-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP09	1.00-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P1TP10	0.20-	<100	<100	<100	119	<100	<100	<100	<100	155	178	<100	<100	177	169	<100	<100
P1TP10	0.90-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP10	1.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	154	<100	<100	<100
P1TP11	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP11	0.60-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP12	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP12	0.70-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP13	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP13	1.05-	<100	<100	<100	<100	<100	<100	<100	<100	121	175	<100	<100	164	163	<100	<100
P1TP14	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP14	1.10-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	142	119	<100	<100
P1TP14	1.30-	<100	128	<100	<100	<100	<100	<100	<100	226	245	497	<100	838	202	846	<100
P1TP15	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP15	1.10-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP15	1.70-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	192	<100	<100	<100
P1TP16	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP16	0.70-	<100	<100	<100	309	227	184	250	112	384	411	<100	<100	341	369	<100	<100
P1TP17	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	143	<100
P1TP17	0.80-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP19	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP19	1.00-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	121	<100	<100	<100
P1TP19	1.20-	<100	<100	<100	209	184	155	183	<100	262	331	<100	<100	142	368	<100	<100
P1TP20	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	122	<100	<100	<100	165	<100	<100	<100
P1TP20	0.30-	<100	<100	<100	108	137	<100	<100	<100	296	189	107	<100	941	182	316	<100
P1TP021	0.50-	<12	<8	<16	108	158	48.6	97.6	67.5	87.9	128	<10	54	54.2	121	27.1	<23
P1TP021	1.00-	<12	<8	28.6	129	234	97.3	177	131	119	115	29	111	90.4	117	75.5	36.2
P1TP22	0.30-	<100	<100	<100	403	482	450	531	307	485	249	<100	279	<100	262	<100	<100
P1TP22	1.00-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP23	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	128	155	<100	<100	<100	169	<100	<100
P1TP23	0.50-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP24	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP24	0.75-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP25	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP25	0.75-	<100	<100	<100	179	187	153	187	114	242	276	<100	<100	143	274	<100	<100
P1TP26	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	138	<100	<100	<100	131	132	<100	<100
P1TP26	0.90-	<100	<100	<100	<100	<100	<100	<100	<100	135	192	<100	<100	166	177	<100	<100
P1TP27	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP27	1.00-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP27	1.40-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP28	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP28	0.90-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP29	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP29	0.90-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP29	1.40-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP30	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	123	121	<100	<100	150	128	<100	<100
P1TP30	1.00-	<100	<100	<100	150	176	140	182	132	215	245	<100	<100	209	234	<100	<100
P1TP30	1.90-	<100	<100	<100	<100	121	<100	131	<100	169	123	<100	<100	130	151	<100	<100
P1TP31	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
P1TP31	0.90-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	121	<100	<100	<100
P1TP31	1.10-	<100	<100	<100	136	<100	<100	118	<100	157							

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
P1TP 37	0.30-	<100	<100	172	398	252	280	345	163	414	803	<100	148	601	718	<100	<100
P1TP 37	0.90-	<100	<100	<100	192	207	176	199	142	259	354	<100	118	229	334	<100	<100
P1TP 37	2.00-	<100	<100	<100	127	122	<100	139	<100	170	205	<100	<100	146	193	<100	<100
P1TP 37	2.10-	<100	<100	<100	<100	<100	<100	<100	<100	119	126	<100	<100	<100	121	<100	<100
P1TP 38	0.20-	<100	<100	137	493	351	363	416	200	492	879	<100	184	555	739	132	<100
P1TP 38	1.00-	<100	<100	317	323	291	264	299	172	388	587	<100	149	351	517	<100	<100
P1TP 38	2.00-	<100	<100	173	450	370	332	394	204	505	856	<100	188	630	812	117	<100
P1TP39	0.20-	<100	<100	<100	270	241	236	274	171	366	484	<100	148	281	482	<100	<100
P1TP39	1.00-	<100	<100	<100	<100	<100	<100	<100	<100	<100	121	<100	<100	<100	127	<100	<100
P1TP39	1.80-	<100	<100	<100	130	143	121	147	<100	176	226	<100	<100	129	205	<100	<100
P1TP40	0.20-	<100	110	344	836	552	611	739	347	831	1710	126	314	1160	1510	111	<100
P1TP40	0.80-	<100	<100	<100	250	252	217	252	162	325	412	<100	135	283	388	<100	<100
P1TP40	1.00-	<100	<100	<100	185	203	154	190	144	244	292	<100	116	241	275	<100	<100
P1TP41	0.30-	<100	<100	<100	127	116	<100	116	<100	157	175	<100	<100	<100	154	<100	<100
P1TP41	1.10-	<100	<100	<100	336	300	268	299	201	403	534	<100	171	399	448	<100	<100
P1TP41	1.60-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	116	<100	<100	<100
P1TP42	0.20-	<100	<100	<100	138	163	129	159	<100	186	196	<100	<100	138	185	<100	<100
P1TP42	1.00-	<100	<100	<100	<100	<100	<100	<100	<100	128	<100	<100	<100	<100	<100	<100	<100
P1TP42	1.60-	<100	<100	<100	149	153	143	165	123	199	176	<100	<100	115	164	<100	<100
P1TP 43	0.20-	<100	<100	<100	237	285	225	283	217	311	295	<100	177	177	310	<100	<100
P1TP 43	1.00-	<100	<100	<100	710	593	469	593	308	960	837	<100	270	409	845	<100	131
P1TP 43	2.10-	<100	635	1070	4040	3370	2610	3160	1680	5150	6160	641	1550	5170	5240	151	638
P1TP 43	3.00-	<100	<100	<100	498	561	409	537	452	931	564	<100	366	770	812	<100	125
P1TP 44	0.40-	<100	124	158	714	811	660	872	584	927	1090	<100	503	688	982	<100	142
P1TP 44	1.20-	<100	<100	<100	136	144	133	168	119	175	187	<100	<100	166	195	<100	<100
P1TP 44	2.00-	<100	<100	<100	482	477	406	538	348	624	729	<100	306	518	687	<100	<100
P1TP 44	2.70-	<100	<100	<100	391	411	322	447	290	549	535	<100	242	512	550	<100	<100
P1TP 45	0.20-	<100	<100	<100	284	317	247	287	176	334	342	<100	159	167	324	<100	<100
P1TP 45	1.10-	<100	127	144	701	815	723	955	680	890	1110	<100	562	654	1020	<100	164
P1TP 45	2.00-	<100	139	301	1360	1530	1310	1690	1350	1600	2020	123	1100	1220	1860	214	309
P1TP 45	2.80-	<100	<100	<100	309	258	261	328	229	383	486	<100	190	346	508	<100	<100
P1TP 46	0.30-	<100	<100	<100	<100	<100	<100	<100	<100	156	<100	<100	<100	<100	<100	<100	<100
P1TP 46	1.00-	<100	<100	<100	204	155	146	172	<100	238	335	<100	<100	199	283	<100	<100
P1TP 46	2.10-	<100	<100	<100	130	<100	<100	127	<100	185	236	<100	<100	122	238	<100	<100
P1TP 46	3.00-	<100	<100	<100	119	115	<100	117	<100	170	190	<100	<100	195	264	<100	<100
P1TP 46	3.20-	<100	<100	<100	<100	<100	<100	<100	<100	136	162	<100	<100	125	172	<100	<100
P1TP 47	0.20-	<100	<100	113	482	436	346	448	269	572	823	<100	241	602	662	153	<100
P1TP 47	1.10-	<100	<100	<100	456	483	345	461	309	793	603	<100	255	464	638	<100	<100
P1TP 47	2.40-	<100	<100	<100	1140	1210	968	1280	954	1310	1660	<100	780	830	1390	<100	259
P1TP 47	3.00-	<100	<100	<100	374	337	257	268	156	583	564	<100	151	324	436	<100	<100
P1TP 47	3.50-	<100	<100	<100	285	317	223	287	178	428	382	<100	152	333	409	<100	<100
P1TP 48	0.40-	<100	<100	150	743	455	457	625	342	998	1470	<100	309	520	1160	<100	<100
P1TP 48	1.20-	<100	<100	153	708	752	603	707	355	892	1080	<100	339	778	1040	162	128
P1TP 48	2.00-	<100	<100	<100	183	165	124	174	128	338	263	<100	<100	203	236	<100	<100
P1TP 48	3.10-	<100	<100	<100	172	175	129	157	<100	288	245	<100	<100	209	227	<100	<100
P1TP 48	3.80-	<100	<100	<100	165	149	128	164	<100	231	196	<100	<100	125	197	<100	<100
P1TP 49	0.20-	<100	<100	<100	652	566	509	604	309	735	820	<100	305	267	696	<100	122
P1TP 49	1.00-	<100	<100	<100	151	150	116	160	<100	201	249	<100	<100	165	283	<100	<100
P1TP 49	2.20-	<100	<100	<100	374	437	331	444	301	463	516	<100	252	350	474	<100	<100
P1TP 49	3.00-	<100	<100	<100	133	179	123	156	<100	171	168	<100	<100	127	195	<100	<100
P1TP 49	3.20-	<100	298	125	524	496	373	420	195	645	995	150	190	349	842	<100	<100
P1TP 50	0.20-	<100	<100	<100	356	327	231	315	204	614	460	<100	174	410	473	<100	<100
P1TP 50	1.00-	<100	<100	176	648	551	440	527	312	798	1040	<100	299	843	886	171	<100
P1TP 50	1.90-	<100	<100	<100	408	442	323	403	274	671	531	<100	239	472	602	130	<100
P1TP 50	2.80-	<100	<100	<100	215	242	172	227	144	314	316	<100	127	251	336	<100	<100
P1TP 51	0.30-	<100	<100	<100	184	159	<100	139	<100	409	179	<100	<100	188	210	<100	<100
P1TP 51	1.30-	<100	<100	<100	464	449	354	412	227	537	718	<100	212	518	540	135	<100
P1TP 51	2.10-	<100	<100	<100	167	180	121	147	<100	235	279	118	<100	240	254	<100	<100
P1TP 51	2.80-	<100	170	<100	<100	<100	<100	<100	<100	<100	<100	915	<100	1040	142	<100	<100
P1TP 52	0.30-	<100	<100	<100	418	379	308	379	238	619	605	<100	218	525	607	<100	<100
P1TP 52	1.00-	<100	<100	<100	287	269	227	255	159	443	505	<100	143	474	462	<100	<100
P1TP 52	2.00-	<100	<100	<100	<100	<100	<100	<100	<100	136	132	<100	<100	115	<100	<100	<100
P1TP 52	2.90-	<100	<100	<100	190	163	159	190	118	227	246	<100	<100	117	217	<100	<100
P1TP 53	0.20-	<100	<100	<100	239	241	198	240	159	314	320	<100	144	188	308	<100	<100
P1TP 53	0.90-	<100	<100	<100	295	337	253	316	<100	462	488	<100	<100	403	423	<100	<100
P1TP 53	2.20-	<100	<100	<100	448	438	345	406	239	544	616	<100	219	242	516	<100	<100
P1TP 53	3.00-	<100	<100	132	495	428	379	471	264	607	875	<100	253	514	823	<100	<100
P1TP 53	3.90-	<100	<100	260	686	650	479	599	353	825	1150	<100	342	959	932	<100	<100
P1TP 54	0.40-	<100	<100	<100	247	237	199	231	140	325	429	<100	125	258	412	<100	<100
P1TP 54	1.00-	<100	<100	<100	418	379	281	330	187	546	633	<100	177	481	547	<100	<100
P1TP 54	1.90-	<100	<100	192	703	616	598	668	380	837	1310	<100	359	852	1230	<100	<100
P1TP 54	3.10-	<100	251	711	2860	2460	1520	1730	907	3230	5580	324	921	4520	3120	<100	425
P1TP 54	4.00-	<100	<100	<100	235	254	207	238	163	363	275	<100	146	205	285		

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
P1TP 57	3.00-	<100	<100	182	1100	1150	944	1230	929	1560	1600	<100	769	817	1570	113	223
P1TP 57	3.30-	<100	<100	<100	295	337	269	367	302	409	435	<100	251	361	441	<100	<100
P1TP110	0.50-	23.2	132	290	999	1370	471	850	494	831	1530	141	419	978	1330	146	177
P1TP110	1.50-	<12	227	394	266	262	138	227	122	311	771	246	107	591	797	195	39.8
P1TP111	0.50-	<12	12.6	26.5	87.8	108	32	63.6	45.4	71.6	110	<10	36.6	95.2	99.5	27.9	<23
P1TP111	1.10-	<12	25.5	41.6	104	118	42.8	69.5	51.2	100	146	27.9	36.9	135	154	24.4	<23
P1TP114	0.50-	18.3	26.9	136	524	545	209	483	337	1050	712	95.9	267	774	1130	107	142
P1TP114	1.50-	29.2	34.7	80.3	260	472	137	278	201	410	437	74.5	174	323	456	66.7	82.4
P1TP115	1.50-	26	38.1	71.5	332	551	215	381	316	393	554	59.3	260	334	531	55.7	106
P1TP116	0.50-	20	109	278	1010	1220	488	831	518	971	1850	163	440	1170	1390	61.4	185
P1TP116	1.50-	<12	55.5	116	496	633	198	378	206	572	490	169	189	935	663	161	88.8
P1TP119	0.50-	30.9	24.6	54.3	212	431	131	231	207	293	333	36.2	173	304	285	72	69.4
P1TP120	0.50-	37.1	24.3	100	259	376	161	223	198	352	604	79.7	148	585	471	55.2	58.9
P1TP121	0.50-	15.1	64.1	146	850	1000	439	959	551	804	1410	84.7	489	774	1210	54.2	185
P1TP122	0.50-	26.3	16.2	46.1	223	291	116	231	165	242	116	33.1	135	170	328	44.7	52.3
P1TP122	1.50-	32.6	32.6	122	467	645	301	575	424	584	733	97	351	419	772	97.8	139
P1TP123	0.20-	<12	<8	27	82	112	58.3	91.1	80	96	180	12.8	61.1	108	162	21	<23
P1TP123	1.00-	<12	72.8	240	323	385	147	350	247	313	519	249	179	774	555	228	79.6
P1TP124	0.50-	869	36100	29200	81200	109000	35900	81300	52900	87900	207000	26400	45100	176000	148000	2800	17400
P1TP125	1.50-	50.2	78.7	147	528	1130	371	737	531	878	1010	90.6	431	606	962	68.5	173
P1TP126	1.00-	15.7	31.3	79.1	367	523	230	558	381	392	567	74.1	316	422	612	111	111
P1TP127	0.50-	37.3	19.9	71	284	499	160	297	281	369	455	42	227	346	391	70.4	88.5
P1TP128	0.50-	76.4	51.3	149	404	715	375	688	469	519	911	94.6	436	527	815	134	167
P1TP129	0.50-	124	1250	337	200	139	44.4	97.6	54	275	549	1190	44.4	2110	652	825	31.6
P1TP129	1.50-	32.8	61.8	88.3	356	464	204	386	291	464	530	133	223	468	527	135	89.1
P1TP130	0.50-	17.8	12.1	46.3	168	268	97.9	201	180	206	273	17	142	184	250	24.6	57.6
P1TP130	1.50-	<12	44.9	115	77.6	66.7	<14	23.9	<24	163	122	246	<18	975	279	90	<23
P1TP131	0.50-	26.1	13.4	43.1	190	387	116	252	233	340	279	37.1	185	265	284	73.4	85.5
P1TP132	1.00-	18.2	76.8	121	425	460	186	364	269	468	764	89.3	220	624	664	133	99.5
P1TP133	0.50-	<12	17	60	171	261	55.6	153	106	265	186	73.3	81.5	478	257	174	48.4
P1TP134	0.50-	<12	<8	18.1	54.8	107	46.1	68.2	79.7	115	101	<10	58.5	126	87.5	29.6	25.8
P1TP135	0.50-	<12	21.5	43.4	228	284	116	215	154	313	385	24.4	133	300	342	34.9	48.9
P1TP136	1.00-	21.7	108	112	848	1760	623	985	781	1370	2400	128	640	1620	1860	201	241
P1TP137	0.50-	78.4	90.9	164	633	661	312	672	426	611	1100	144	394	683	824	83.6	141
P1TP138	0.50-	58.8	37.8	121	341	513	240	407	326	480	944	99.9	266	690	840	110	100
P1TP139	0.50-	<12	11.4	55.8	358	440	141	260	152	349	567	23.3	137	312	377	23.7	63
P1TP139	1.50-	16.7	19.7	63	353	518	183	338	290	481	487	29	237	333	440	58.5	121
P1TP140	0.50-	<12	<8	27.7	104	134	53.8	100	87.9	156	156	<10	73.5	167	145	66.5	31.3
P1TP141	0.30-	<12	43.1	82.2	316	383	158	287	217	380	540	61.3	176	423	476	82.1	78.9
P1TP142	0.20-	42.9	583	1130	2390	2570	964	1620	1030	2480	3870	873	980	3670	2560	113	450
P1TP143	0.20-	166	311	1460	4570	5490	1980	3430	1950	3930	8850	483	1840	4720	5760	111	762
P1TP144	0.50-	31.1	62.2	194	848	951	335	662	479	822	1280	98.9	415	879	984	89.7	187
P1TP144	1.50-	<12	84.5	152	138	252	61.6	119	121	200	190	142	91	510	271	165	54.9
P1TP148	0.50-	60	651	1440	6390	7340	2390	3990	2040	4770	11500	607	2020	4900	7260	79.8	943
P1TP149	0.50-	43.6	34.9	107	622	1030	425	657	565	714	989	52.1	459	516	791	75.8	200
P2TP1	0.5	620	94.6	1660	3910	3740	1590	3080	1650	3450	9140	519	1590	6740	5760	123	613
P2TP2	0.30-	<12	18.4	25.5	147	274	89.6	159	148	196	267	34.5	111	230	264	39.8	44.2
P2TP3	0.20-	<12	<8	<16	72.7	103	29.3	79.6	52.6	58	60.4	11.9	42.6	81.8	76.7	19.4	<23
P2TP4	0.20-	<12	21.8	43.8	50.3	91.9	28.7	58.5	47.3	106	94.3	26.3	34	156	156	34.7	<23
P2TP005	0.50-	16.4	18.6	66.8	215	392	139	320	232	240	329	55.1	187	355	437	114	70.2
P2TP005	1.00-	<12	12.2	33.4	95.1	159	59.1	126	97	154	143	18.5	75.1	167	162	33.1	33.6
P2TP6	0.50-	21.6	41.4	443	1320	852	397	624	299	1410	4060	62.7	242	1160	3250	39.2	98.5
P2TP7	0.50-	14.6	19.5	37.8	143	197	72.8	111	82.2	158	265	23.7	69	240	204	22.8	28.1
P2TP7	1.50-	17.3	22.6	46.7	137	206	74.1	102	97.5	218	336	25.3	70.7	348	286	28.8	28.7
P2TP008	0.50-	15.7	8.99	36.4	202	221	93	206	165	211	290	15.9	132	224	256	28.3	41.4
P2TP008	1.50-	<12	40.1	53.4	157	323	105	221	152	214	319	37.4	128	309	261	61.8	49.5
P2TP008	2.90-	41.4	140	197	996	1430	504	1190	944	1040	1590	119	748	868	1380	106	260
P2TP9	0.50-	16.5	39.2	78.8	322	376	159	265	173	298	591	41.9	152	463	424	40.1	65.4
P2TP10	0.50-	41.1	23.6	64.9	246	325	136	262	218	328	433	41.5	182	366	419	42.1	70.4
P2TP11	0.50-	16	52.1	89.1	331	491	169	311	231	408	553	66.6	190	454	499	71.3	79.4
P2TP12	0.20-	23.4	23.2	79.4	195	339	107	201	160	226	173	61	125	188	402	92.8	58.5
P2TP13	0.50-	<12	<8	<16	16.4	33	<14	16.3	<24	27.6	24.8	63.9	<18	161	37.5	42.3	<23
P2TP14	0.30-	21.4	51	140	152	188	110	237	195	247	254	95.9	142	298	431	115	62.3
P2TP15	0.30-	<12	23	29.6	128	184	65.6	123	92.3	169	257	30.3	74.5	286	221	47.2	30.6
P2TP16	0.30-	19.5	15.1	41.8	147	233	79.7	182	122	192	302	27.4	103	291	276	34.6	36.5
P2TP17	0.30-	18.6	20.4	53.3	226	326	112	204	151	267	378	30.4	121	317	307	25.5	48
P2TP18	0.50-	24.4	32.3	75.5	204	368	105	259	211	342	301	77.8	157	287	469	120	66.6
P2TP19	0.20-	40.2	39.6	95.7	285	451	199	371	283	376	488	88.4	220	426	699	135	97.1
P2TP20	0.50-	29.7	34.6	98.4	210	300	135	261	292	274	298	104	202	283	472	82	75.5
P2TP21	0.50-	35.6	27.4	65.8	188	329	140	242	203	325	444	51.6	157	395	447	52.9	63
P2TP22	0.50-	<12	18.3	45.6	242	324	122	231	135	246	363	27.6	114	294	313	21.8	41.6
P2TP23	0.50-	21.7	20.9	53.3	147	190	85	159	128	251	376	28	104	356	292	26.8	39.7
P2TP23	1.50-	19.3	31.1	96.3	362	376	171	353	262	383	517	50.8	210	422	592	66.1	96.9
P2TP24	1.00-	29.4	35.9	791	1420	984	484	823	381	1400	5010	86.8	326	1360	4270	26.3	112
P2TP25	0.50-	24.5	25.7	68.1	190	280	87.1	194	165	258	384	41.9	128	401	321	109	49.1
P2TP26	0.50-	22.8	71.1	307	611	556	195	427	200	502	1160	154	177	1030	1090	86.8	67.7
P2TP27	0.50-	29.1	39.3	107	352	498	175	397	277								

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
P2TP40	0.50-	<12	17.8	61.8	697	464	159	350	187	2740	169	50.4	155	515	420	64.1	124
P2TP40	1.50-	<12	25.2	46.9	193	311	106	219	123	213	288	49.8	105	276	309	54.6	40.2
P2TP41	0.50-	14.8	18.3	57	254	393	129	221	189	348	388	44	149	284	408	59.8	61.8
P2TP41	1.50-	18.6	23.3	57.8	184	355	114	220	188	313	288	62.6	141	293	431	107	62.7
P2TP42	0.50-	15.9	57.8	152	208	234	75.9	193	111	220	248	80.7	89.3	273	445	78.8	37
P2TP42	1.50-	<12	<8	<16	42.7	86.7	22.4	38.9	40.3	68.6	67.3	11.4	26.8	90.1	67.2	<9	<23
P2TP44	0.50-	22.9	69.9	135	274	354	120	254	178	377	479	109	151	470	554	73.7	67.1
P2TP45	0.30-	13.1	18.4	45.2	75.1	169	61.9	111	93.2	185	121	51.4	74.1	179	219	56.3	35
P2TP46	0.50-	17.2	33	68	273	376	146	299	214	974	467	75.8	159	510	589	91.4	88.8
P2TP47	0.50-	13.5	16.5	44	192	309	92	174	128	240	314	32.1	97.2	295	310	35.7	41
P2TP48	0.50-	24.7	25.8	70	359	487	177	367	216	443	542	49.6	179	429	537	50.6	63.9
P2TP49	0.50-	<12	30.4	52.5	182	309	94.4	197	143	358	234	90.6	113	359	328	101	55.5
P2TP50	0.40-	29.7	61	89.1	203	400	172	327	277	483	354	105	197	407	564	133	91.9
P2TP51	0.50-	22.4	46.1	128	316	401	109	263	206	708	276	119	151	404	439	139	90.8
P2TP52	0.50-	34.4	53.8	110	259	325	162	292	221	394	357	117	167	379	563	134	75.7
P2TP52	1.50-	16.2	27.3	60.8	175	329	101	184	172	277	198	62.9	124	277	299	83.5	63.7
P2TP53	0.50-	<12	49.1	141	233	395	119	245	181	329	337	125	141	366	564	124	64.2
P2TP53	1.50-	23	32.4	63.1	276	377	142	252	170	341	386	57.6	148	380	350	52.3	60.9
P2TP54	0.50-	<12	23.4	43	196	275	83.6	175	150	463	175	43.5	113	244	263	62.2	61.9
P2TP54	1.50-	37.4	47.3	98.6	235	316	141	261	192	388	465	92.4	159	438	612	90.2	66.9
P2TP55	0.50-	14.4	18.8	36.3	124	214	61.6	135	115	219	245	39.9	91	295	285	73	38.6
P2TP55	1.50-	<12	15	25.4	77.7	129	47.2	78.6	62.8	134	150	40	45.5	215	164	39.1	<23
P2TP56	0.50-	19.1	104	137	426	613	189	391	271	473	689	131	242	703	555	44.7	104
P2TP56	1.50-	<12	23.3	53.1	205	337	98.5	214	146	232	310	43.4	118	262	312	65	47.9
P2TP57	0.50-	14.5	26.8	66.1	262	452	119	305	225	415	276	46.4	187	253	360	51.6	84.7
P2TP57	1.50-	227	1850	8710	36100	39600	13300	23000	11800	30300	58200	3020	12300	38100	36300	163	5860
P2TP58	0.50-	17.2	48	82.1	276	476	156	349	275	446	317	80.1	204	366	430	96.8	95.9
P2TP58	1.50-	25.2	18.8	67	275	324	109	253	180	274	403	51.1	151	329	419	52.9	61.9
P2TP59	0.50-	16.2	27.7	49.7	104	149	54	117	91.6	179	155	65.2	67.1	178	234	56.1	32.9
P2TP59	1.50-	27.3	55.2	92.4	320	419	145	311	214	649	370	121	169	494	544	124	86
P2TP60	0.50-	17.2	33.5	59.9	263	398	113	271	205	428	249	62.6	146	266	369	61.6	73.1
P2TP61	0.50-	13.7	16.5	60.3	230	307	118	277	213	336	253	63.4	167	290	386	76.3	76.6
P2TP62	0.50-	18.5	15.3	51	204	297	106	224	172	265	294	33.7	138	286	313	48.7	55
P2TP63	0.50-	17.7	25.1	102	350	472	161	280	169	446	697	53.6	151	506	611	44.4	60.8
P2TP63	1.00-	16.1	23.6	44.6	180	281	88.8	175	145	235	242	46.9	113	280	287	64.4	48.3
P2TP64	0.50-	19.2	28.7	61.2	200	391	149	344	243	374	229	79.2	202	307	407	110	89.3
P2TP64	1.00-	28.1	34.1	82.2	356	485	189	419	278	608	556	94.9	231	432	703	128	103
P2TP65	0.50-	26.7	37.6	51.8	231	303	116	265	177	628	248	67.2	140	355	401	89.6	82.2
P2TP65	1.00-	17.4	37.3	77	335	507	164	347	258	509	355	81.9	210	361	440	110	99.3
P2TP66	0.50-	13.7	32.2	63.4	265	480	158	338	213	543	331	74.7	185	344	495	84.3	83.4
P2TP66	1.00-	<12	33.6	63.1	287	452	133	296	195	735	268	76.2	165	357	363	76.9	75.6
P2TP67	0.50-	21	45.7	194	1790	1030	320	969	432	7180	436	120	368	1070	1030	106	404
P2TP67	1.50-	<12	61.3	109	203	294	87.4	195	139	258	242	98.1	111	271	387	132	62.4
P2TP68	0.50-	<12	30.8	61.9	218	380	126	273	184	297	126	61.4	153	269	345	65	68.6
P2TP68	1.50-	20.8	39.8	72.7	287	563	150	377	262	317	373	72.9	207	450	423	98.4	82
P2TP69	0.50-	25.5	26.6	69.1	284	473	154	301	217	313	482	32	179	393	393	31	69.5
P2TP69	1.50-	15.7	21.1	52.5	216	346	109	230	181	279	314	43.9	138	285	316	51	60.8
P2TP70	0.50-	15.4	33.1	74.1	285	387	102	244	176	610	293	70.7	149	305	391	51.2	73.9
P2TP70	1.50-	22.5	27.2	70.3	231	307	100	233	161	324	399	53	127	327	436	52.8	55.7
P2TP70	2.50-	192	78.2	620	1400	1430	523	1210	539	1100	3720	254	517	3020	2690	50.2	154
P2TP71	0.50-	26.5	24.8	71.1	330	508	150	398	321	339	150	48.3	170	300	465	62.3	70.6
P2TP71	1.50-	<12	43.5	83.1	262	429	125	251	181	305	295	78.5	145	282	453	95.7	67.8
P2TP72	0.50-	<12	54.5	125	499	832	237	552	351	598	546	113	305	463	654	142	136
P2TP72	1.50-	35.2	48.9	101	216	191	90.7	243	173	406	276	132	131	407	526	167	72.8
P2TP73	0.50-	<12	47.1	96.7	422	713	221	515	328	596	413	97.2	264	362	595	104	126
P2TP74	0.50-	15.6	31.2	68.2	246	401	119	257	208	312	282	59.3	156	247	372	68.6	69.3
P2TP74	1.00-	31.1	64.1	168	775	1110	325	702	474	721	998	93	407	636	885	99	171
P2TP75	0.50-	16.9	34.3	63.3	255	443	132	281	231	524	258	81.8	177	343	381	96.5	96.5
P2TP75	1.50-	25.7	34.8	56.9	149	202	72.2	209	149	284	237	71.2	117	268	390	89.5	58.4
P2TP76	0.50-	19.6	32.3	55	140	270	102	236	179	409	232	62.9	140	289	329	80.8	61.5
P2TP76	1.00-	19.6	20.8	43.5	184	242	92.8	188	139	291	251	38.6	110	252	277	44	48.9
P2TP77	0.50-	17.1	68.5	182	602	622	252	467	325	1440	690	119	264	743	674	126	149
P2TP77	1.00-	14.3	28.1	60.4	258	405	122	270	202	578	229	64	159	314	334	81.4	94.6
P2TP78	0.50-	23	27	70.8	327	461	143	317	226	772	256	73.6	187	315	398	88.9	107
P2TP78	1.00-	20.8	47	114	461	602	216	446	317	792	429	94.6	248	454	558	130	129
P2TP79	0.50-	26.4	42.8	126	220	383	150	299	234	316	415	90.8	172	358	573	107	67.6
P2TP79	1.50-	27.1	294	601	3220	2740	1050	2350	970	2270	5140	275	911	2220	4330	141	367
P2TP80	0.50-	31.1	36.9	114	620	941	315	521	385	1010	827	90.1	339	508	772	110	169
P2TP80	1.50-	16.3	35.5	63.1	218	357	145	310	224	258	368	55	171	248	452	72.5	64.6
P2TP83	0.50-	26.6	26.8	64.8	176	342	115	209	190	247	197	57.6	141	255	342	84.4	66.2
P2TP83	1.50-	32	43.5	86.9	231	516	172	301	233	396	335	88.3	180	320	546	98	75
P2TP84	0.50-	<12	15.2	53.9	219	320	93	236	145	460	183	49.8	120	235	280	52.3	56.5
P2TP84	1.00-	26	29.8	68.4	301	463	151	309	218	419	247	65.4	174	258	432	90.6	92.4
P2TP85	0.50-	32	27.5	82.1	188	271	123	277	209	156	268	93	158	294	393	104	57.7
P2TP85	1.00-	14.8	26.7	74.5	298	414	133	346	201	420	326	66.6	159	299	466	85.8	62
P2TP86	0.50-	34.9	24.9	83.4	258	453	142	295	208	367	366	62.5	164	331	424	70.8	71.4
P2TP86	0.80-	<12	94.7	225	209	261	91.3	183	115	215	343	111	91.2	317	556	79	39.2
P2TP86	1.50-	22.1	58.7	149	538	785	271	614	423	637							

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
RSOTP02	1.50-	15.1	20.3	45.9	167	259	84	145	112	238	380	32.8	81.5	399	333	29	33.8
RSOTP03	0.50-	<12	<8	45.4	120	218	60.2	136	101	143	149	45.5	74.8	163	237	55.7	35.9
RSOTP03	1.50-	14.8	<8	62.4	151	291	67.9	177	112	227	182	57.2	86.6	231	342	72.6	39.1
POS 93	0.20-	<100	<100	<100	158	166	127	130	<100	229	266	<100	<100	219	224	<100	<100
POS 93	1.10-	<100	<100	<100	206	176	150	172	<100	236	294	<100	<100	126	238	<100	<100
POS 93	2.00-	<100	<100	<100	<100	<100	<100	<100	<100	<100	114	<100	<100	169	<100	<100	<100
POS 93	2.10-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
POS 94	0.20-	<100	<100	131	630	658	410	526	309	880	944	<100	295	485	695	<100	125
POS 94	0.90-	<100	<100	<100	266	287	188	216	140	355	407	<100	134	220	321	<100	<100
POS 95	0.40-	<100	<100	265	1880	1850	1430	1730	928	2070	2140	<100	914	451	1640	<100	363
POS 95	1.00-	<100	<100	<100	150	156	128	164	<100	225	271	<100	<100	177	304	<100	<100
POS 95	1.90-	<100	<100	<100	366	307	251	300	182	617	518	<100	163	546	683	<100	<100
POS 95	2.80-	262	501	3040	3180	1800	2040	2580	1200	3140	7590	1650	1110	9780	6240	230	286
POS 96	0.20-	<100	419	380	1240	1140	952	1210	737	1830	1940	350	636	2000	1780	211	223
POS 96	1.30-	<100	<100	<100	477	555	354	481	340	835	609	<100	297	372	520	<100	123
POS 96	2.00-	<100	<100	<100	259	293	232	289	190	377	380	<100	168	296	422	159	<100
POS 96	2.40-	<100	<100	114	550	469	355	465	270	1070	688	<100	245	648	733	<100	<100
POS 97	0.20-	<100	<100	<100	224	249	193	250	166	323	322	<100	135	300	468	<100	<100
POS 97	1.00-	<100	<100	<100	312	329	286	368	357	452	544	<100	316	456	678	<100	131
POS 97	2.20-	<100	<100	<100	436	431	343	431	251	549	730	<100	224	590	762	<100	<100
POS 97	3.10-	<100	<100	<100	358	358	326	387	223	462	581	<100	201	405	536	<100	<100
POS 97	3.80-	<100	<100	<100	149	157	130	166	151	236	253	<100	136	215	259	<100	<100
POS 97	4.60-	<100	<100	126	520	567	434	565	433	759	832	<100	378	700	809	130	143
POS 98	0.30-	<100	<100	<100	265	329	243	292	182	395	404	<100	160	256	394	<100	<100
POS 98	0.90-	<100	<100	<100	241	265	217	265	315	337	377	<100	288	309	390	<100	147
POS 98	2.20-	<100	<100	<100	217	230	166	225	234	347	311	<100	230	311	308	<100	134
POS 98	3.00-	<100	<100	118	1830	1060	511	1170	596	4720	778	<100	454	1850	1540	<100	473
POS 99	0.30-	<100	<100	<100	573	670	438	500	285	842	708	<100	285	363	610	<100	126
POS 99	1.40-	<100	<100	<100	242	251	210	259	178	308	375	<100	151	256	360	<100	<100
POS 99	2.10-	<100	<100	286	902	825	649	875	500	1120	1570	120	433	1160	1540	142	140
POS 99	3.00-	<100	<100	120	474	425	337	423	301	718	791	<100	244	1390	821	<100	<100
POS 99	3.90-	<100	<100	<100	196	247	192	231	162	298	318	<100	138	233	361	<100	<100
POS 99	4.60-	<100	<100	<100	370	354	341	404	403	490	648	<100	358	493	585	<100	162
POS 100	0.20-	<100	<100	<100	161	148	114	146	<100	277	262	<100	<100	185	273	<100	<100
POS 100	0.90-	<100	<100	<100	425	193	<100	154	<100	2000	133	<100	<100	230	339	<100	<100
POS 101	0.30-	<100	<100	<100	143	151	126	149	180	197	197	<100	158	<100	196	<100	<100
POS 101	1.20-	<100	<100	<100	307	352	287	340	217	459	496	<100	195	302	503	131	<100
POS 101	2.00-	<100	<100	<100	375	549	439	725	615	609	509	<100	593	335	531	189	211
POS 101	3.10-	<100	<100	<100	<100	<100	<100	<100	<100	122	137	<100	<100	<100	146	<100	<100
POS 101	4.00-	<100	<100	<100	329	290	232	266	134	369	484	<100	132	241	376	<100	<100
POS 101	5.00-	<100	<100	<100	482	488	317	370	213	603	744	<100	216	300	535	<100	<100
POS 101	5.30-	<100	<100	<100	179	324	220	231	182	314	249	<100	176	180	296	223	<100
POS 102	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	121	<100	<100	<100	120	121	<100	<100
POS 102	1.00-	<100	<100	140	594	565	457	532	315	682	899	<100	293	588	791	128	<100
POS 102	2.40-	<100	<100	<100	246	257	184	234	156	301	354	<100	134	273	322	<100	<100
POS 102	3.20-	<100	396	252	1260	1000	863	867	515	1390	2320	121	499	699	1700	<100	212
POS 102	4.00-	<100	<100	<100	233	246	184	218	134	277	315	<100	125	193	264	<100	<100
POS 102	4.90-	<100	<100	<100	125	<100	<100	<100	<100	142	202	<100	<100	138	172	<100	<100
POS 102	5.20-	<100	<100	<100	<100	<100	<100	<100	<100	134	144	<100	<100	162	171	<100	<100
RD103	0.30-	<100	<100	<100	127	<100	<100	<100	219	219	152	<100	<100	415	256	<100	<100
RD103	0.90-	<100	<100	<100	177	174	131	177	253	253	226	<100	<100	374	279	<100	<100
RD103	2.00-	<100	<100	<100	322	319	246	369	453	453	405	<100	195	354	507	206	<100
RD103	2.30-	<100	<100	<100	612	749	534	641	898	898	800	130	335	335	843	184	153
RD104	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
RD104	1.10-	<100	<100	<100	<100	<100	<100	<100	161	161	140	<100	<100	139	148	<100	<100
RD104	2.10-	<100	<100	123	578	446	266	420	1260	1260	528	138	251	952	873	<100	131
RD104	2.40-	<100	<100	<100	627	413	224	405	1640	1640	379	113	169	882	781	165	142
RD105	0.20-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	299	<100	506	121	436	<100
RD105	1.00-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	249	<100	407	<100	334	<100
RD105	1.10-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	250	<100	416	157	301	<100
RD106	0.20-	<100	<100	<100	<100	143	<100	125	187	187	139	<100	<100	123	145	<100	<100
RD106	1.20-	<100	188	441	2090	2170	1590	1880	2440	2440	3150	297	963	2030	2100	136	396
RD106	1.80-	<100	123	181	416	334	270	353	498	498	890	199	169	974	678	322	<100
RD107	0.20-	<100	<100	162	843	659	581	698	952	952	1350	<100	351	610	1080	<100	125
RD107	1.00-	<100	<100	153	773	692	497	685	1270	1270	990	123	427	1440	1100	167	150
RD107	2.30-	<100	<100	162	861	767	561	724	1290	1290	1140	128	437	1040	1160	128	174
RD107	3.00-	<100	138	135	560	480	427	556	699	699	952	119	271	857	829	<100	<100
RD107	3.80-	<100	290	391	1270	1050	844	1040	1330	1330	2280	297	442	1890	1580	435	174
RD108	0.30-	<100	<100	<100	<100	<100	<100	<100	170	170	130	<100	<100	<100	139	<100	<100
RD108	1.00-	<100	<100	<100	140	112	<100	133	270	270	178	<100	<100	153	225	<100	<100
RD108	2.10-	<100	<100	<100	144	126	<100	142	190	190	189	<100	<100	122	187	<100	<100
RD108	3.20-	<100	<100	<100	186	152	124	143	228	228	303	<100	<100	244	303	<100	

Sample Ref	Depth (m)	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
P1TP 33	0.20-	0.0014	Detected	Not Detected	Not Detected
P1TP 33	1.00-	-	Trace	Not Detected	Not Detected
P1TP 33	1.90-	-	Detected	Not Detected	Not Detected
P1TP 33	2.10-	-	Not Detected	Detected	Not Detected
P1TP 34	0.30-	0.0015	Not Detected	Detected	Not Detected
P1TP 34	1.00-	0.0014	Detected	Not Detected	Not Detected
P1TP 34	2.00-	-	Detected	Detected	Not Detected
P1TP 34	2.30-	-	Detected	Not Detected	Not Detected
P1TP 35	0.20-	<0.001	Detected	Detected	Not Detected
P1TP 35	1.10-	-	Not Detected	Detected	Detected
P1TP 35	1.90-	-	Detected	Detected	Not Detected
P1TP 36	0.20-	<0.001	Detected	Detected	Not Detected
P1TP 36	1.00-	<0.001	Detected	Not Detected	Not Detected
P1TP 36	1.90-	-	Detected	Not Detected	Not Detected
P1TP 37	0.30-	0.0214	Detected	Detected	Not Detected
P1TP 37	0.90-	<0.001	Detected	Not Detected	Not Detected
P1TP 37	2.00-	-	Detected	Detected	Not Detected
P1TP 37	2.10-	-	Not Detected	Detected	Not Detected
P1TP 38	0.20-	0.0037	Detected	Not Detected	Not Detected
P1TP 38	1.00-	0.002	Detected	Not Detected	Not Detected
P1TP 38	2.00-	-	Detected	Not Detected	Detected
P1TP 43	0.20-	<0.001	Detected	Not Detected	Detected
P1TP 43	1.00-	<0.001	Detected	Not Detected	Not Detected
P1TP 43	2.10-	-	Detected	Not Detected	Not Detected
P1TP 43	3.00-	-	Detected	Not Detected	Not Detected
P1TP 44	0.40-	0.0288	Detected	Detected	Not Detected
P1TP 44	1.20-	-	Detected	Not Detected	Not Detected
P1TP 44	2.00-	-	Detected	Not Detected	Not Detected
P1TP 44	2.70-	-	Detected	Detected	Not Detected
P1TP 45	0.20-	0.0013	Detected	Not Detected	Not Detected
P1TP 45	1.10-	-	Detected	Not Detected	Not Detected
P1TP 45	2.00-	-	Detected	Detected	Not Detected
P1TP 45	2.80-	-	Detected	Detected	Not Detected
P1TP 46	0.30-	<0.001	Detected	Not Detected	Detected
P1TP 46	1.00-	0.0045	Detected	Not Detected	Not Detected
P1TP 46	2.10-	-	Detected	Not Detected	Not Detected
P1TP 46	3.00-	-	Not Detected	Detected	Not Detected
P1TP 46	3.20-	-	Detected	Not Detected	Not Detected
P1TP 47	0.20-	<0.001	Detected	Not Detected	Not Detected
P1TP 47	1.10-	-	Detected	Not Detected	Not Detected
P1TP 47	2.40-	-	Detected	Not Detected	Detected
P1TP 47	3.00-	-	Detected	Trace	Not Detected
P1TP 47	3.50-	-	Trace	Trace	Not Detected
P1TP 48	0.40-	0.0115	Not Detected	Detected	Not Detected
P1TP 48	1.20-	-	Not Detected	Detected	Not Detected
P1TP 48	2.00-	-	Detected	Not Detected	Not Detected
P1TP 48	3.10-	-	Detected	Not Detected	Not Detected
P1TP 48	3.80-	-	Detected	Detected	Not Detected
P1TP 49	0.20-	0.0014	Detected	Not Detected	Not Detected
P1TP 49	1.00-	0.0034	Not Detected	Detected	Not Detected
P1TP 49	2.20-	-	Detected	Detected	Detected
P1TP 49	3.00-	-	Detected	Not Detected	Not Detected
P1TP 49	3.20-	-	Detected	Trace	Not Detected
P1TP 50	0.20-	0.004	Detected	Detected	Not Detected
P1TP 50	1.00-	<0.001	Detected	Not Detected	Not Detected
P1TP 50	1.90-	-	Not Detected	Detected	Not Detected
P1TP 50	2.80-	-	Not Detected	Detected	Not Detected
P1TP 51	0.30-	0.0034	Detected	Not Detected	Not Detected
P1TP 51	1.30-	-	Not Detected	Detected	Not Detected
P1TP 51	2.10-	-	Trace	Not Detected	Not Detected

Sample Ref	Depth (m)	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
P1TP 51	2.80-	-	Trace	Not Detected	Not Detected
P1TP 52	0.30-	<0.001	Detected	Not Detected	Not Detected
P1TP 52	1.00-	0.0015	Detected	Not Detected	Detected
P1TP 52	2.00-	-	Detected	Detected	Not Detected
P1TP 52	2.90-	-	Trace	Not Detected	Detected
P1TP 53	0.20-	<0.001	Trace	Not Detected	Not Detected
P1TP 53	0.90-	0.002	Not Detected	Detected	Not Detected
P1TP 53	2.20-	-	Detected	Not Detected	Not Detected
P1TP 53	3.00-	-	Detected	Not Detected	Not Detected
P1TP 53	3.90-	-	Not Detected	Trace	Not Detected
P1TP 54	0.40-	<0.001	Detected	Detected	Not Detected
P1TP 54	1.00-	0.003	Detected	Not Detected	Not Detected
P1TP 54	1.90-	-	Detected	Not Detected	Not Detected
P1TP 54	3.10-	-	Detected	Not Detected	Not Detected
P1TP 54	4.00-	-	Detected	Detected	Not Detected
P1TP 54	5.00-	-	Detected	Not Detected	Not Detected
P1TP 54	5.30-	-	Not Detected	Detected	Not Detected
P1TP 55	0.20-	0.0047	Detected	Detected	Not Detected
P1TP 55	1.00-	<0.001	Detected	Detected	Not Detected
P1TP 55	2.20-	-	Detected	Detected	Not Detected
P1TP 55	3.00-	-	Detected	Not Detected	Not Detected
P1TP 55	3.90-	-	Detected	Detected	Not Detected
P1TP 55	5.00-	-	Detected	Not Detected	Not Detected
P1TP 56	0.30-	0.0011	Not Detected	Trace	Detected
P1TP 56	1.30-	-	Not Detected	Detected	Not Detected
P1TP 56	2.10-	-	Detected	Detected	Not Detected
P1TP 56	3.00-	-	Trace	Not Detected	Trace
P1TP 56	3.60-	-	Trace	Not Detected	Not Detected
P1TP 57	0.20-	<0.001	Detected	Detected	Not Detected
P1TP 57	1.00-	<0.001	Trace	Not Detected	Not Detected
P1TP 57	2.40-	-	Not Detected	Detected	Not Detected
P1TP 57	3.00-	-	Detected	Detected	Not Detected
P1TP 57	3.30-	-	Trace	Not Detected	Not Detected
P1TP001	0.50-		Not Detected	Not Detected	Not Detected
P1TP001	1.30-		-	-	-
P1TP021	0.50-		Detected	Not Detected	Not Detected
P1TP021	1.00-		Not Detected	Not Detected	Not Detected
P1TP09	1.00-	-	-	-	-
P1TP10	0.20-	0.0013	Detected	Not Detected	Not Detected
P1TP10	0.90-	-	Not Detected	Not Detected	Not Detected
P1TP10	1.20-	-	Trace	Not Detected	Not Detected
P1TP11	0.20-	0.003	Not Detected	Detected	Not Detected
P1TP11	0.60-	<0.001	Detected	Not Detected	Not Detected
P1TP110	0.50-		Not Detected	Not Detected	Not Detected
P1TP110	1.50-		-	-	-
P1TP111	0.50-		Detected	Not Detected	Not Detected
P1TP111	1.10-		-	-	-
P1TP116	0.50-	0.0188	Detected	Not Detected	Not Detected
P1TP116	1.50-	-	Not Detected	Not Detected	Not Detected
P1TP119	0.50-	0.0012	Detected	Not Detected	Not Detected
P1TP12	0.30-	<0.001	Not Detected	Detected	Not Detected
P1TP12	0.70-	<0.001	Detected	Not Detected	Not Detected
P1TP120	0.50-	0.0013	Detected	Not Detected	Not Detected
P1TP127	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP13	0.20-	-	Not Detected	Not Detected	Not Detected
P1TP13	1.05-	-	Detected	Not Detected	Not Detected
P1TP133	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP139	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP139	1.50-	-	Detected	Not Detected	Not Detected
P1TP14	0.30-	-	Not Detected	Not Detected	Not Detected
P1TP14	1.10-	-	Not Detected	Not Detected	Not Detected
P1TP14	1.30-	-	Not Detected	Not Detected	Not Detected
P1TP142	0.20-	-	Not Detected	Not Detected	Not Detected
P1TP143	0.20-	-	Not Detected	Not Detected	Not Detected
P1TP144	0.50-	0.0037	Not Detected	Not Detected	Detected

Sample Ref	Depth (m)	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
P1TP144	1.50-	-	Detected	Not Detected	Not Detected
P1TP148	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP149	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP15	0.30-	-	Not Detected	Not Detected	Not Detected
P1TP15	1.10-	-	Not Detected	Not Detected	Not Detected
P1TP15	1.70-	-	Not Detected	Not Detected	Not Detected
P1TP16	0.20-	<0.001	Detected	Not Detected	Not Detected
P1TP16	0.70-	-	Not Detected	Not Detected	Not Detected
P1TP17	0.30-	-	Not Detected	Trace	Not Detected
P1TP17	0.80-	<0.001	Detected	Not Detected	Not Detected
P1TP19	0.30-	-	Not Detected	Not Detected	Not Detected
P1TP19	1.00-	-	Not Detected	Not Detected	Not Detected
P1TP19	1.20-	-	Detected	Not Detected	Not Detected
P1TP2	0.40-	-	Not Detected	Not Detected	Not Detected
P1TP2	0.60-	<0.001	Detected	Not Detected	Trace
P1TP20	0.20-	0.0013	Detected	Not Detected	Not Detected
P1TP20	0.30-	<0.001	Detected	Not Detected	Not Detected
P1TP22	0.30-	<0.001	Detected	Not Detected	Not Detected
P1TP22	1.00-	<0.001	Detected	Not Detected	Not Detected
P1TP23	0.20-	<0.001	Not Detected	Not Detected	Detected
P1TP23	0.50-	0.0018	Detected	Not Detected	Not Detected
P1TP24	0.30-	<0.001	Detected	Not Detected	Not Detected
P1TP24	0.75-	<0.001	Detected	Not Detected	Not Detected
P1TP25	0.30-	<0.001	Detected	Not Detected	Not Detected
P1TP25	0.75-	-	Not Detected	Not Detected	Not Detected
P1TP26	0.20-	<0.001	Detected	Not Detected	Not Detected
P1TP26	0.90-	<0.001	Not Detected	Detected	Not Detected
P1TP27	0.30-	-	Not Detected	Not Detected	Not Detected
P1TP27	1.00-	0.0014	Detected	Not Detected	Not Detected
P1TP27	1.40-	-	Not Detected	Not Detected	Detected
P1TP28	0.20-	-	Not Detected	Not Detected	Not Detected
P1TP28	0.90-	-	Not Detected	Not Detected	Not Detected
P1TP29	0.20-	-	Not Detected	Not Detected	Not Detected
P1TP29	0.90-	-	Not Detected	Not Detected	Not Detected
P1TP29	1.40-	-	Trace	Not Detected	Not Detected
P1TP3	0.20-	<0.001	Detected	Not Detected	Not Detected
P1TP3	0.70-	-	Not Detected	Not Detected	Not Detected
P1TP30	0.20-	0.0013	Not Detected	Detected	Not Detected
P1TP30	1.00-	0.0626	Detected	Detected	Not Detected
P1TP30	1.90-	-	Trace	Detected	Not Detected
P1TP31	0.20-	<0.001	Not Detected	Detected	Not Detected
P1TP31	0.90-	0.002	Detected	Detected	Not Detected
P1TP31	1.10-	-	Detected	Not Detected	Not Detected
P1TP32	0.20-	<0.001	Trace	Not Detected	Not Detected
P1TP32	0.70-	-	Not Detected	Not Detected	Not Detected
P1TP39	0.20-	<0.001	Not Detected	Detected	Not Detected
P1TP39	1.00-	0.0014	Trace	Not Detected	Not Detected
P1TP39	1.80-	-	Not Detected	Not Detected	Not Detected
P1TP4	0.30-	-	Not Detected	Not Detected	Not Detected
P1TP4	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP40	0.20-	0.0163	Trace	Not Detected	Not Detected
P1TP40	0.80-	-	Not Detected	Not Detected	Not Detected
P1TP40	1.00-	-	Not Detected	Not Detected	Not Detected
P1TP41	0.30-	<0.001	Not Detected	Detected	Not Detected
P1TP41	1.10-	-	Not Detected	Detected	Not Detected
P1TP41	1.60-	-	Not Detected	Detected	Not Detected
P1TP42	0.20-	-	Trace	Not Detected	Not Detected
P1TP42	1.00-	-	Not Detected	Not Detected	Not Detected
P1TP42	1.60-	-	Not Detected	Trace	Not Detected
P1TP5	0.20-	-	Trace	Not Detected	Not Detected
P1TP5	0.90-	-	Not Detected	Not Detected	Not Detected
P1TP6	0.20-	-	Not Detected	Not Detected	Not Detected
P1TP6	0.60-	-	Not Detected	Not Detected	Not Detected
P1TP7	0.30-	0.0013	Detected	Not Detected	Not Detected
P1TP7	1.00-	-	Not Detected	Trace	Not Detected

Sample Ref	Depth (m)	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
P1TP8	0.20-	<0.001	Detected	Not Detected	Not Detected
P1TP8	0.60-	<0.001	Detected	Not Detected	Not Detected
P1TP9	0.20-	<0.001	Detected	Not Detected	Not Detected
P1TP9	0.60-	<0.001	Detected	Not Detected	Not Detected
P2TP005	0.50-		Not Detected	Not Detected	Not Detected
P2TP005	1.00-		Detected	Not Detected	Not Detected
P2TP008	0.50-		Not Detected	Not Detected	Detected
P2TP008	1.50-		-	-	-
P2TP008	2.90-		-	-	-
P2TP10	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP11	0.50-		Not Detected	Not Detected	Not Detected
P2TP1	0.5		Not Detected	Not Detected	Not Detected
P2TP2	0.30-		Not Detected	Not Detected	Not Detected
P2TP20	0.50-		Not Detected	Not Detected	Not Detected
P2TP21	0.50-		Not Detected	Not Detected	Not Detected
P2TP22	0.50-		Not Detected	Not Detected	Not Detected
P2TP24	1.00-		Not Detected	Not Detected	Not Detected
P2TP25	0.50-	0.0037	Not Detected	Not Detected	Detected
P2TP26	0.50-		Not Detected	Not Detected	Not Detected
P2TP27	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP3	0.20-		Not Detected	Not Detected	Not Detected
P2TP36	0.50-		Not Detected	Not Detected	Not Detected
P2TP37	0.50-		Not Detected	Not Detected	Not Detected
P2TP39	0.50-	0.0026	Detected	Not Detected	Not Detected
P2TP39	1.50-		Not Detected	Not Detected	Not Detected
P2TP4	0.20-	<0.001	Detected	Not Detected	Not Detected
P2TP40	0.50-		Not Detected	Not Detected	Not Detected
P2TP40	1.50-		Not Detected	Not Detected	Not Detected
P2TP41	0.50-		Not Detected	Not Detected	Not Detected
P2TP41	1.50-		Not Detected	Not Detected	Not Detected
P2TP42	0.50-		Not Detected	Not Detected	Not Detected
P2TP42	1.50-		Not Detected	Not Detected	Not Detected
P2TP46	0.50-	0.0017	Not Detected	Detected	Not Detected
P2TP47	0.50-	<0.001	Not Detected	Not Detected	Detected
P2TP48	0.50-		Not Detected	Not Detected	Not Detected
P2TP49	0.50-		Not Detected	Not Detected	Not Detected
P2TP50	0.40-		Not Detected	Not Detected	Not Detected
P2TP51	0.50-		Not Detected	Not Detected	Not Detected
P2TP52	0.50-		Not Detected	Not Detected	Not Detected
P2TP52	1.50-	<0.001	Not Detected	Detected	Not Detected
P2TP53	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP53	1.50-		Not Detected	Not Detected	Not Detected
P2TP54	0.50-		Not Detected	Not Detected	Not Detected
P2TP54	1.50-	<0.001	Detected	Not Detected	Not Detected
P2TP55	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP55	1.50-	0.0066	Not Detected	Detected	Not Detected
P2TP56	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP56	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP57	0.50-	0.0191	-	-	-
P2TP57	1.50-	<0.001	Detected	Not Detected	Not Detected
P2TP58	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP58	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP59	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP59	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP60	0.50-	0.0012	Detected	Not Detected	Not Detected
P2TP61	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP62	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP63	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP63	1.00-	-	Not Detected	Not Detected	Not Detected
P2TP64	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP64	1.00-	-	Not Detected	Not Detected	Not Detected
P2TP65	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP65	1.00-	<0.001	-	-	-
P2TP66	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP66	1.00-	-	Not Detected	Not Detected	Not Detected

Sample Ref	Depth (m)	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
P2TP67	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP67	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP68	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP68	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP69	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP69	1.50-	<0.001	Detected	Not Detected	Not Detected
P2TP7	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP7	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP70	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP70	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP70	2.50-	-	-	-	-
P2TP71	0.50-	0.0028	Detected	Not Detected	Not Detected
P2TP71	1.50-	0.0013	Detected	Not Detected	Not Detected
P2TP72	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP72	1.50-	0.0028	Not Detected	Detected	Not Detected
P2TP73	0.50-	0.0016	Not Detected	Detected	Not Detected
P2TP74	0.50-	0.0046	Detected	Not Detected	Not Detected
P2TP74	1.00-	-	Not Detected	Not Detected	Not Detected
P2TP75	0.50-	0.0017	Detected	Not Detected	Not Detected
P2TP75	1.50-	0.001	Detected	Not Detected	Not Detected
P2TP76	0.50-	0.0029	Not Detected	Detected	Not Detected
P2TP76	1.00-	<0.001	Detected	Not Detected	Not Detected
P2TP77	0.50-	-	Trace	Not Detected	Not Detected
P2TP77	1.00-	0.0019	Not Detected	Detected	Not Detected
P2TP78	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP78	1.00-	-	Not Detected	Not Detected	Not Detected
P2TP79	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP79	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP80	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP80	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP81	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP82	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP82	1.50-	-	Not Detected	Not Detected	Not Detected
P2TP82	2.50-	-	-	-	-
P2TP83	0.50-	0.0057	Not Detected	Detected	Not Detected
P2TP83	1.50-	0.0021	Detected	Not Detected	Not Detected
P2TP84	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP84	1.00-	<0.001	Detected	Not Detected	Not Detected
P2TP85	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP85	1.00-	-	Trace	Not Detected	Not Detected
P2TP86	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP86	0.80-	-	Not Detected	Not Detected	Not Detected
P2TP86	1.50-	-	Trace	Trace	Not Detected
P2TP87	0.50-	-	Trace	Not Detected	Not Detected
P2TP87	1.50-	0.0029	Detected	Detected	Not Detected
P2TP88	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP88	1.00-	<0.001	Not Detected	Detected	Not Detected
RD103	0.30-		Not Detected	Not Detected	Not Detected
RD103	0.90-		Detected	Not Detected	Detected
RD103	2.00-		Detected	Not Detected	Not Detected
RD103	2.30-		Detected	Not Detected	Not Detected
RD104	0.20-		Not Detected	Not Detected	Not Detected
RD104	1.10-		Trace	Not Detected	Not Detected
RD104	2.10-		Detected	Not Detected	Not Detected
RD104	2.40-		Detected	Not Detected	Not Detected
RD105	0.20-		Not Detected	Not Detected	Not Detected
RD105	1.00-		Detected	Not Detected	Not Detected
RD105	1.10-		Not Detected	Not Detected	Not Detected
RD106	0.20-		Not Detected	Not Detected	Not Detected
RD106	1.20-		Detected	Not Detected	Not Detected
RD106	1.80-		Not Detected	Trace	Not Detected
RD107	0.20-		Detected	Not Detected	Not Detected
RD107	1.00-		Detected	Not Detected	Detected
RD107	2.30-		Trace	Not Detected	Not Detected
RD107	3.00-		Not Detected	Detected	Not Detected

Sample Ref	Depth (m)	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
RD107	3.80-		Detected	Not Detected	Not Detected
RD108	0.30-		Not Detected	Detected	Not Detected
RD108	1.00-		Detected	Detected	Not Detected
RD108	2.10-		Not Detected	Not Detected	Not Detected
RD108	3.20-		Detected	Not Detected	Not Detected
RD108	3.80-		Not Detected	Trace	Not Detected
RD109	0.20-		Trace	Not Detected	Not Detected
RD109	0.80-		Not Detected	Detected	Not Detected
RSOTP02	0.50-	-	Not Detected	Not Detected	Not Detected
RSOTP02	1.50-	-	Not Detected	Not Detected	Not Detected
RSOTP03	0.50-	-	Not Detected	Not Detected	Not Detected
RSOTP03	1.50-	-	Detected	Not Detected	Not Detected
RSOTP1	0.50-	<0.001	Detected	Not Detected	Detected
RSOTP1	1.50-	-	Detected	Not Detected	Not Detected
P1TP 64	0.60-0.00	<0.001	Detected	Not Detected	Not Detected
P1TP 65	0.90-0.00	-	Trace	Trace	Not Detected
P1TP 66	1.00-0.00	0.0029	Detected	Detected	Detected
P1TP 67	0.80-0.00	<0.001	Detected	Detected	Not Detected
P1TP 68	0.40-0.00	0.0046	Detected	Detected	Not Detected
P1TP 69	0.70-0.00	0.0016	Detected	Not Detected	Not Detected
P1TP114	0.50-	<0.001	Detected	Not Detected	Not Detected
P1TP114	1.50-	0.0018	Detected	Detected	Not Detected
P1TP115	1.50-	<0.001	Detected	Not Detected	Not Detected
P1TP121	0.50-	0.0517	Detected	Not Detected	Not Detected
P1TP122	0.50-	0.0013	Detected	Detected	Not Detected
P1TP122	1.50-	0.0358	Detected	Detected	Not Detected
P1TP123	0.20-	-	Not Detected	Not Detected	Not Detected
P1TP123	1.00-	<0.001	Detected	Not Detected	Not Detected
P1TP124	0.50-	0.0025	Detected	Not Detected	Not Detected
P1TP125	1.50-	0.0022	Detected	Not Detected	Not Detected
P1TP126	1.00-	0.0051	Detected	Not Detected	Not Detected
P1TP128	0.50-	0.0016	Detected	Not Detected	Not Detected
P1TP129	0.50-	<0.001	Detected	Not Detected	Not Detected
P1TP129	1.50-	0.0025	Detected	Not Detected	Not Detected
P1TP130	0.50-	0.0017	Detected	Detected	Not Detected
P1TP130	1.50-	<0.001	Detected	Not Detected	Not Detected
P1TP131	0.50-	0.0138	Detected	Not Detected	Not Detected
P1TP132	1.00-	-	Not Detected	Not Detected	Not Detected
P1TP134	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP135	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP136	1.00-	-	Not Detected	Not Detected	Not Detected
P1TP137	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP138	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP140	0.50-	-	Not Detected	Not Detected	Not Detected
P1TP141	0.30-	<0.001	Detected	Not Detected	Not Detected
P2TP12	0.20-	-	Not Detected	Not Detected	Not Detected
P2TP13	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP14	0.30-	<0.001	Detected	Not Detected	Not Detected
P2TP15	0.30-	<0.001	Detected	Not Detected	Not Detected
P2TP16	0.30-	0.0082	Detected	Not Detected	Not Detected
P2TP17	0.30-	0.017	Detected	Not Detected	Not Detected
P2TP18	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP19	0.20-	0.0015	Detected	Not Detected	Not Detected
P2TP23	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP23	1.50-	0.0014	Detected	Not Detected	Not Detected
P2TP28	0.20-	-	Not Detected	Not Detected	Not Detected
P2TP29	0.50-	<0.001	Detected	Not Detected	Not Detected
P2TP30	0.30-	-	Not Detected	Not Detected	Not Detected
P2TP31	0.30-	0.0015	Detected	Not Detected	Not Detected
P2TP32	0.30-	0.0073	Detected	Detected	Not Detected
P2TP33	0.30-	<0.001	Detected	Not Detected	Not Detected
P2TP34	0.30-	<0.001	Detected	Not Detected	Not Detected
P2TP35	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP44	0.50-	-	Not Detected	Not Detected	Not Detected

Sample Ref	Depth (m)	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
P2TP45	0.30-	-	Not Detected	Not Detected	Not Detected
P2TP6	0.50-	-	Not Detected	Not Detected	Not Detected
P2TP9	0.50-	<0.001	Detected	Not Detected	Not Detected

Sample Ref	Arsenic as As, dry weight mg/kg	Cadmium as Cd, dry weight mg/kg	Chromium as Cr, dry weight mg/kg	Copper as Cu, dry weight mg/kg	Lead as Pb, dry weight mg/kg	Mercury as Hg, dry weight mg/kg	Nickel as Ni, dry weight mg/kg	Selenium as Se, dry weight mg/kg	Vanadium as V, dry weight mg/kg	Zinc as Zn, dry weight mg/kg	VPH >C5 - C6, aliphatic ug/kg	VPH >C6 - C8, aliphatic ug/kg	VPH >C8 - C10, aliphatic ug/kg	EPH >C10 - C12, aliphatic ug/kg	EPH >C12 - C16, aliphatic ug/kg	EPH >C16 C21, aliphatic ug/kg	EPH >C21 C35, aliphatic ug/kg	VPH >C6 - C7, aromatic ug/kg	VPH >C7 - C8, aromatic ug/kg	VPH >C8 C10, aromatic ug/kg	EPH >C10 C12, aromatic ug/kg	EPH >C12 C16, aromatic ug/kg	EPH >C16 C21, aromatic ug/kg	EPH >C21 - C35, aromatic ug/kg	Benzene µg/kg	Toluene µg/kg	Ethylbenzene µg/kg	m,p-Xylene µg/kg	o-Xylene µg/kg	
SMH - 1	18.8	0.909	21.6	32	89.8	<0.14	24.8	1.76	36.8	321	33.1	30.8	28.5	106	717	5880	31100	<10	<10	22.8	70.7	785	6750	49300	<10	3.42	<3	<6	<3	
SMH - 2	17.6	1.3	24.4	25.2	113	<0.14	26.7	1.94	45.5	431	38.4	50.4	286	676	3030	6630	8230	<10	<10	192	451	428	2560	9830	<10	<2	<3	<6	<3	
SMH - 3	17.6	1.98	28.2	23.2	119	<0.14	29.8	2.42	57.5	640	<10	<10	<10	<10	<100	159	1280	<10	<10	<10	<10	<100	<100	<100	<10	<2	<3	<6	<3	
SMH - 4	15.5	0.955	24.7	23.4	77.6	<0.14	20.9	1.42	37.1	292	13.3	12.2	<10	25.5	3160	8500	20800	<10	<10	<10	17.8	929	4190	25300	<10	<2	<3	<6	<3	
SMH - 5	22.2	1.48	31.2	24.2	101	<0.14	30.3	2.22	57.5	550	<10	<10	<10	<10	<100	<100	2270	<10	<10	<10	<10	<100	<100	<100	571	<10	<2	<3	<6	<3
SMH - 6	18.5	1.64	27.4	24	112	<0.14	28.1	1.99	57.6	578	<10	<10	<10	<10	920	5200	13000	<10	<10	<10	<10	<100	1080	9380	<10	<2	<3	<6	<3	
SMH - 7	17.3	0.917	22.6	21.6	72.7	<0.14	20.5	1.45	38.9	299	<10	<10	<10	<10	2120	4710	10600	<10	<10	<10	<10	665	1540	4950	<10	<2	<3	<6	<3	
SMH - 8	16.8	1.63	21.6	28.4	83.4	<0.14	22.1	1.33	38.5	420	29.5	27.1	68.4	235	7010	14100	24600	<10	<10	53.1	157	1620	5080	17100	<10	2.36	<3	<6	4.72	
SMH - 9	14.6	1.19	23.5	21.7	91.8	<0.14	28.1	1.35	42.8	439	<10	<10	<10	11.1	400	2900	4430	<10	<10	<10	<10	<100	192	1190	<10	2.22	<3	<6	<3	
SMH - 10	16.5	1.04	22.4	26.5	95.5	<0.14	25.3	1.05	40.9	364	17.9	14.6	11.2	22.4	825	2390	4220	<10	<10	11.2	15.7	<100	<100	<100	<10	6.72	<3	<6	<3	
SMH - 11	14.3	0.756	23.1	26.5	71.3	<0.14	26	1.05	36.1	311	14.8	<10	<10	12.5	4270	10100	24300	<10	<10	<10	<10	1220	4740	23900	<10	4.56	<3	<6	<3	
SMH - 12	13.7	0.752	22.3	20.8	68.4	<0.14	24.4	<1	35.1	278	36.6	37.7	65.5	186	4080	8240	27000	<10	12.2	48.8	124	1760	5810	30100	<10	12.2	<3	<6	<3	
SMH - 13	16.3	0.588	22.5	17.4	54.4	<0.14	26	<1	32.7	217	<10	<10	<10	<10	3990	6950	22200	<10	<10	<10	<10	1500	5670	18300	<10	<2	<3	<6	<3	
SMH - 14	14.7	0.513	24.9	21	64.2	<0.14	25.2	1.4	37.9	250	33.9	49.7	104	260	9680	15500	42900	<10	17	76.8	173	3330	9090	30200	<10	17	<3	<6	<3	
SMH - 17	15.6	0.949	25.7	23.7	92.3	<0.14	29.8	<1	39.3	317	20.2	24.6	33.6	95.2	10000	16300	33900	<10	13.4	28	63.8	1860	7950	30600	<10	13.4	<3	<6	<3	
SMH - 18	15.4	0.629	21.3	21.7	72.6	<0.14	21.2	1.22	36.8	284	<10	<10	<10	<10	848	2550	4120	<10	<10	<10	<10	<100	104	<10	<2	<3	<6	<3		
SMH - 19	15.9	1.07	27.2	17.7	101	<0.14	19	1.51	37.3	381	<10	<10	<10	<10	894	3630	14000	<10	<10	<10	<10	500	20600	<100	<10	<2	<3	<6	<3	
SMH - 20	26.6	0.894	20.8	27.6	67.4	<0.14	22.3	1.71	35.1	198	<10	<10	<10	<10	<100	<100	6520	<10	<10	<10	<10	314	8020	39100	<10	<2	<3	<6	<3	
SMH - 21	18.6	1.64	25.3	24	99.7	<0.14	25.1	1.58	44.9	460	<10	<10	<10	<10	165	<100	680	<10	<10	<10	<10	<100	<100	2900	<10	<2	<3	<6	<3	
SMH - 22	16.4	0.658	25.8	20.6	139	<0.14	20.2	1.34	40.9	312	<10	<10	<10	<10	<100	12000	18800	<10	<10	<10	<10	302	4990	16400	<10	<2	<3	<6	<3	
SMH - 23	21.9	1.19	27.8	36.2	129	<0.14	29.3	1.83	47.2	335	<10	<10	<10	<10	<100	<100	5170	<10	<10	<10	<100	258	10000	<10	<2	<3	<6	<3		
SMH - 24	19.3	1.15	27.3	30.9	93.9	<0.14	28.4	1.89	48.6	379	<10	<10	<10	<10	<100	<100	5500	<10	<10	<10	<10	<100	3050	14400	<10	<2	<3	<6	<3	
SMH - 25	18.1	0.525	25.8	25.7	109	<0.14	22.8	1.71	41	283	<10	<10	<10	12	<100	1740	4580	<10	<10	<10	<10	<100	1390	4750	<10	2.4	<3	<6	<3	
SMH - 26	18.8	1.11	26.6	22	121	<0.14	24.5	2.2	43.4	450	<10	<10	<10	<10	1770	6820	23000	<10	<10	<10	<10	<100	2730	17000	<10	<2	<3	<6	<3	
SMH - 27	21.6	0.976	25.2	41.3	105	<0.14	30	1.97	37.8	179	<10	<10	<10	<10	<100	<100	290	<10	<10	<10	<10	<100	1600	5160	<10	<2	<3	<6	<3	
SMH - 28	20.3	1.29	26.2	28	111	<0.14	27.9	1.54	46.3	408	<10	<10	<10	<10	<100	<100	3350	<10	<10	<10	<10	<100	870	7300	<10	<2	<3	<6	<3	
SMH - 29	14.5	0.897	21	24	69.4	<0.14	18.6	1.23	33.9	259	<10	<10	<10	<10	<100	<100	6000	<10	<10	<10	<10	<100	464	6110	<10	<2	<3	<6	<3	
SMH - 30	14.8	0.757	22.3	22.5	71	<0.14	20.3	1.62	34.8	209	<10	<10	<10	<10	889	1210	2130	<10	<10	<10	<10	971	2610	6000	<10	<2	<3	<6	<3	
SMH - 31	15.2	0.852	19.4	17.4	71.8	<0.14	19	2.01	32.8	270	<10	<10	<10	<10	<100	<100	7880	<10	<10	<10	<10	<100	1020	5430	<10	<2	<3	<6	<3	
SMH - 32	17.9	1.01	23.9	24	83.9	<0.14	24.7	1.29	41.6	341	<10	<10	<10	<10	<100	<100	9680	<10	<10	<10	<10	<100	3590	23600	<10	<2	<3	<6	<3	
SMH - 33	19.5	0.567	22.3	28.5	99.9	<0.14	23	1.22	34.7	281	<10	<10	<10	<10	<100	<100	2860	<10	<10	<10	<10	199	1000	9620	<10	<2	<3	<6	<3	
SMH - 34	19.1	1.07	24.4	26.1	80.3	<0.14	24.4	1.52	42.7	353	<10	<10	<10	<10	<100	<100	<100	<10	<10	<10	<10	<100	1350	3720	<10	<2	<3	<6	<3	
SMH - 35	19.2	1.49	25.4	16.5	96.6	<0.14	24.6	2.26	48.2	627	<10	<10	<10	<10	<100	<100	14800	<10	<10	<10	<10	180	846	16000	<10	<2	<3	<6	<3	
SMH - 36	16.3	1.02	22.6	22.5	91	<0.14	21.5	1.41	39.6	411	<10	<10	<10	<10	1090	3310	15300	<10	<10	<10	<10	<100	1690	16600	<10	<2	<3	<6	<3	
SMH - 37	19	0.0742	24.1	22.1	139	<0.14	19.7	1.06	37.2	283	<10	<10	<10	<10	989	4020	14800	<10	<10	<10	<10	625	2930	19500	<10	<2	<3	<6	<3	
SMH - 38	18.6	1.47	22.9	21.5	80.5	<0.14	21.7	1.89	48.9	332	<10	<10	<10	<10	1170	1420	7310	<10	<10	<10	<10	<100	<100	6570	<10	<2	<3	<6	<3	
SMH - 39	21.7	1.56	26.9	24.5	116	<0.14	26.2	2.64	53.8	478	<10	<10	<10	<10	1360	2770	6260	<10	<10	<10	<10	636	1680	7390	<10	<2	<3	<6	<3	
SMH - 40	22.9	0.961	30.7	40.2	105	<0.14	28.9	1.86	50.5	369	<10	<10	<10	<10	1050	3130	9230	<10	<10	<10	<10	183	1890	14300	<10	<2	<3	<6	<3	
SMH - 41	19.5	1.32	21.5	31	96.6	<0.14	22.6	2.1	39.3	438	<10	<10	<10	<10	<100	<100	4680	<10	<10	<10	<10	411	3270	12800	<10	<2	<3	<6	<3	
SMH - 42	<6	0.37	<9	515	33.2	<0.14	19.3	<10	6.47	347	<10	<10	<10	<10	<100	<100	5660	<10	<10	<10	<10	<100	<100	4100	<10	<2	<3	<6	<3	
SMH - 43	15.6	1.02	28.1	23.1	74	<0.14	21.6	1.41	47	285	18.2	19.4	52.4	113	<100	3100	6660	<10	<10	35.3	75.2	537	1630	11200	<10	<2	<3	<6	<3	
SMH - 48	19	1.27	22.7	24.8	97.8	<0.14	27.3	1.88	51.9	473	<10	12.8	29	75.4	563	6480	7210	<10	<10	22	49.9	<100	1220	4520	<10	<2	<3	<6	<3	
SMH - 49	39.7	0.125	21.3	14.1	93	<0.14	15.5	1.26	28.8	245	14.3	14.3	17.9	26.2	288	3880														

Sample Ref	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	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	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	
	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	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SMH-98	22	3.02	33.3	17.1	118	<0.14	32.4	2.64	64.1	954	<10	<10	<10	<10	<100	<100	<100	<10	<10	<10	<10	<100	<100	<100	<100	<10	<2	<3	<6	<3
SMH-99	19.5	1.78	28.2	24.2	115	<0.14	28.8	2.45	49.7	657	<10	<10	<10	<10	<100	4010	8270	<10	<10	<10	<10	<100	1850	8520	<10	<2	<3	<6	<3	
SMH-100	14.1	0.932	19.8	12.2	74.6	<0.14	19.7	1.64	36.1	421	<10	<10	<10	<10	<100	304	5270	<10	<10	<10	<10	<100	752	11900	<10	<2	<3	<6	<3	
SMH-101	16.1	1.4	26	17.7	99.6	<0.14	25.7	1.58	44.5	724	<10	<10	<10	<10	228	25200	23700	<10	<10	<10	<10	<100	18600	36700	<10	<2	<3	<6	<3	
SMH-102	18.8	0.379	22.7	64.1	96	<0.14	23.3	1.79	36.4	287	35.4	40.1	585	5110	<100	1520	16600	<10	<10	392	3410	<100	1560	20600	<10	<2	<3	<6	<3	
SMH-103	22.9	0.922	30.2	32.7	109	<0.14	28.2	1.82	45.8	369	<10	<10	<10	<10	11500	148000	93000	<10	<10	<10	<10	1390	88100	95800	<10	<2	<3	<6	<3	
SMH-104	14.8	0.639	20.1	23.7	74	<0.14	21.4	1.54	34.7	267	<10	<10	21.1	43.3	1660	5950	5520	<10	<10	17.6	28.1	<100	1680	8370	<10	<2	<3	<6	<3	
SMH-105	15.1	1.16	20.9	49.4	81.7	<0.14	20.7	1.7	41.3	438	<10	28.1	319	512	3600	9690	19000	<10	<10	213	342	866	3350	18000	<10	3.51	<3	<6	<3	
SMH-106	<6	<0.2	<9	75.3	11.4	<0.14	5.23	<10	5.08	65.8	<10	<10	<10	<10	1890	5210	7740	<10	<10	<10	<10	<100	<100	4750	<10	<2	<3	<6	<3	
SMH-107	15.9	0.944	80.6	28.4	79.9	<0.14	24.9	2.04	71.5	302	<10	11.7	28.1	101	1610	6080	9550	<10	<10	21.1	66.7	<100	2710	19400	<10	<2	<3	<6	<3	
SMH-108	17.9	0.923	21.9	31.4	82	<0.14	26	1.59	37.7	279	<10	<10	<10	<10	<100	<100	1950	<10	<10	<10	<10	<100	2280	8250	<10	<2	<3	<6	<3	
SMH-109	21.9	0.704	25.6	25.5	120	<0.14	25	1.36	39.9	338	34.8	41.8	90.5	559	560	2380	11800	<10	<10	60.3	372	204	973	9340	<10	<2	<3	<6	<3	
SMH-110	19.6	1.49	25.6	32.7	93.3	<0.14	27.3	1.96	45.7	413	<10	<10	<10	<10	<100	4950	5710	<10	<10	<10	<10	<100	2080	10200	<10	<2	<3	<6	<3	
SMH-111	16.8	0.965	23	16.7	84.6	<0.14	21.5	1.96	39.5	450	<10	<10	<10	10.6	<100	2150	8740	<10	<10	<10	<10	<100	<100	4040	<10	<2	<3	<6	<3	
SMH-112	19.2	1.75	26.9	23.2	97.2	<0.14	25.4	1.73	48.3	635	<10	<10	<10	<10	6130	50700	59600	<10	<10	<10	<10	3080	51200	55800	<10	<2	<3	<6	<3	
SMH-113	20.4	1.93	32.8	23.6	110	<0.14	31.9	2.42	57.4	607	<10	<10	<10	<10	1200	8290	12100	<10	<10	<10	<10	<100	6200	15300	<10	<2	<3	<6	<3	
SMH-114	14.1	0.526	20	20.2	57	<0.14	16.9	1.33	31.4	154	<10	<10	<10	<10	<100	<100	14700	<10	<10	<10	<10	<100	<100	26700	<10	<2	<3	<6	<3	
SMH-115	15.6	0.918	19.5	25	70.7	<0.14	18.9	1.53	31.9	307	<10	<10	<10	<10	<100	<100	2880	<10	<10	<10	<10	<100	851	7230	<10	<2	<3	<6	<3	
SMH-116	16.9	0.868	22.7	17.6	70.5	<0.14	21.8	1.55	44	435	<10	<10	14.2	36.6	<100	<100	2140	<10	<10	10.6	24.8	<100	322	5790	<10	<2	<3	<6	<3	
SMH-117	19.8	1.66	31	25.2	127	<0.14	29	2.32	55.7	810	<10	<10	<10	<10	<100	<100	1780	<10	<10	<10	<10	<100	1300	5190	<10	<2	<3	<6	<3	
SMH-118	19.8	1.8	27.5	22.2	91.2	<0.14	27.2	2.22	48.6	520	<10	<10	<10	<10	<100	<100	4590	<10	<10	<10	<10	<100	2830	16200	<10	<2	<3	<6	<3	
SMH-119	25.9	2.43	28.1	20.9	92.2	<0.14	30.9	1.6	54	661	<10	<10	<10	<10	<100	<100	1300	<10	<10	<10	<10	<100	<100	3070	<10	<2	<3	<6	<3	
SMH-120	19.4	2.24	23.4	41.9	92	<0.14	38.7	2.07	38	233	<10	<10	<10	<10	<100	<100	5570	<10	<10	<10	<10	<100	2070	17100	<10	<2	<3	<6	<3	
SMH121	16	1.03	18.9	23	64.8	<0.14	19.6	1.63	30.7	248	<10	<10	<10	<10	1850	<100	5470	<10	<10	<10	<10	3180	5540	20400	<10	<2	<3	<6	<3	
SMH122	17.7	0.939	21.2	27.2	74	<0.14	22.3	1.18	34.7	206	<10	<10	<10	<10	<100	<100	<100	<10	<10	<10	<10	<100	5470	20700	<10	<2	<3	<6	<3	
SMH123	17.4	1.25	22	25.9	77.5	<0.14	23.1	1.24	37.5	320	<10	<10	<10	<10	<100	1430	13500	<10	<10	<10	<10	959	9320	40500	<10	<2	<3	<6	<3	
SMH124	18.3	1.43	23.3	26.7	82.1	<0.14	26	1.59	38.5	336	<10	<10	<10	<10	<100	<100	3050	<10	<10	<10	<10	<100	12400	30100	<10	<2	<3	<6	<3	
SMH125	15.5	0.908	17.5	21.2	59.3	<0.14	18.4	1.22	31.5	230	<10	<10	<10	<10	<100	<100	<100	<10	<10	<10	<10	<100	<100	<100	<10	<2	<3	<6	<3	
SMH126	21.2	1.73	26.8	26.7	102	<0.14	29.5	1.95	53	471	<10	<10	<10	<10	<100	<100	1800	<10	<10	<10	<10	<100	2230	30000	<10	<2	<3	<6	<3	
SMH127	17.3	1	17.8	19.1	59.1	0.314	18	1.23	32.4	287	<10	<10	<10	<10	550	2530	12200	<10	<10	<10	<10	428	5670	25200	<10	<2	<3	<6	<3	
SMH128	18	1.55	23.3	23.4	76.6	<0.14	24.2	1.69	40.2	350	<10	<10	<10	<10	<100	<100	<100	<10	<10	<10	<10	<100	7670	24600	<10	<2	<3	<6	<3	
SMH129	26.4	1.38	26.1	24.3	79.8	<0.14	23.7	1.31	41.1	390	<10	<10	<10	<10	887	3610	14700	<10	<10	<10	<10	3160	31800	74300	<10	<2	<3	<6	<3	
SMH130	19.4	1.46	22.8	28.6	100	<0.14	29	2.3	39.1	330	<10	<10	<10	<10	226	3280	13500	<10	<10	<10	<10	691	14500	48700	<10	<2	<3	<6	<3	
SMH131	35.2	0.815	25.1	31.8	178	<0.14	25.4	<10	44.4	357	<10	<10	<10	<10	879	3040	12100	<10	<10	<10	<10	962	6900	24000	<10	<2	<3	<6	<3	
SMH132	30.8	4.14	36.5	24.4	186	<0.14	40.9	<10	69.1	816	<10	<10	<10	<10	<100	<100	2330	<10	<10	<10	<10	<100	<100	1980	<10	<2	<3	<6	<3	
SMH133	17.9	1.17	23.2	25.9	82.6	<0.14	25.3	1.39	36.9	290	<10	<10	11.5	13.6	<100	<100	<100	<10	<10	<10	<10	<100	4200	11200	<10	<2	<3	<6	<3	
SMH134	17.8	0.709	18.6	22	66.7	0.216	18.5	<1	28.9	181	<10	<10	<10	<10	<100	<100	<100	<10	<10	<10	<10	<100	3570	10400	<10	<2	<3	<6	<3	
SMH135	16.7	1.79	20.1	15.4	89.4	<0.14	22.7	2.41	36.4	461	<10	<10	<10	<10	<100	1410	11700	<10	<10	<10	<10	946	3580	13300	<10	<2	<3	<6	<3	
SMH136	16.2	0.427	20.3	23.8	68.2	<0.14	18.7	<1	28.7	160	<10	<10	<10	<10	<100	365	14100	<10	<10	<10	<10	2640	7390	42200	<10	<2	<3	<6	<3	
SMH137	17.4	0.298	26.4	23.8	136	<0.14	21.6	2.21	43.6	295	<10	<10	<10	<10	<100	2540	7530	<10	<10	<10	<10	245	2290	18200	<10	<2	<3	<6	<3	
SMH138	15.9	1.06	26	18.3	79.6	<0.14	22.4	2.48	43	497	<10	<10	<10	<10	<100	780	6990	<10	<10	<10	<10	<100	1660	11500	<10	<2	<3	<6	<3	
SMH139	17.1	1.05	23.4	17.4	109	<0.14	21.4	2.35	38.4	388	<10	<10	<10	<10	3140	56500	95300	<10	<10	<10	<10	17600	<100	38800	<10	2.09	<3	<6	<3	
SMH140	16.1	1.34	20.7	12	75.4	<0.14	20.8	2.38	38.6																					

Sample Ref	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	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	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene
	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	μg/kg	μg/kg	μg/kg	μg/kg
SMH192	20.7	1.93	26.3	23.8	104	<0.14	29.1	2.94	48.9	605	<10	<10	<10	<10	<100	<100	<100	<10	<10	<10	<10	<100	1400	11400	<10	<2	<3	<6	<3
SMH193	19.7	0.891	21.9	570	75.9	<0.14	25.6	2.16	35.7	374	<10	<10	<10	<10	309	1120	3100	<10	<10	<10	<10	<100	1340	3990	<10	<2	<3	<6	<3
SMH194	19.2	2.51	25.9	14.5	91.6	0.201	28.7	<10	48.4	588	<10	<10	<10	<10	<100	817	11100	<10	<10	<10	<10	<100	1310	14700	<10	<2	<3	<6	<3
SMH195	20.3	0.654	21.3	42.5	72.5	<0.14	26.8	2.06	34.2	148	<10	<10	<10	<10	<100	<100	1220	<10	<10	<10	<10	<100	1060	<10	<2	<3	<6	<3	
maximum	44.6	8.58	80.6	570	275	0.323	61	4.43	86.6	1020	38.4	50.4	585	5110	22000	148000	178000	0	17	392	3410	17600	88100	280000	0	17	0	0	4.72
resi <1	64	2.6	78	143	337	1	50	3	113	478	30100	69800	9760	1780000	4510000	94200000	94800000	49.3	86900	14800	57300	131000	82000	888000	49.3	36000	38200	17200	17200

Sample	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
SMH - 1	<12	58.9	81.1	268	353	128	200	144	276	504	65.9	115	431	379	90.4	52.2
SMH - 2	<12	<8	23	109	108	48	78.6	59	87.4	148	<10	51.7	91.3	135	10.9	<23
SMH - 3	<12	<8	<16	40.6	46.5	17.3	32.3	<24	37.9	59.8	<10	22.3	33.6	49.1	<9	<23
SMH - 4	32.9	10.8	97.1	341	259	115	230	140	237	659	43	120	424	502	16.9	43.3
SMH - 5	<12	<8	<16	<14	<15	<14	<15	<24	<10	<17	<10	<18	<15	<15	<9	<23
SMH - 6	<12	<8	<16	31.1	23.3	<14	24.9	<24	29.9	58.9	<10	<18	36.3	54.8	<9	<23
SMH - 7	<12	<8	<16	35.1	34.6	17.8	30.1	<24	28.3	56.5	<10	<18	32.8	52.3	<9	<23
SMH - 8	<12	<8	32.3	149	225	82.2	139	107	146	215	19	83.5	150	195	28.3	30.7
SMH - 9	<12	<8	<16	49.5	69.3	35.4	63.2	58.4	56.6	71.5	<10	45.4	49	70.2	12.1	<23
SMH - 10	<12	<8	<16	57.9	62.8	27.7	49.1	42.3	55.4	103	<10	35.8	62.8	93.8	12.1	<23
SMH - 11	<12	<8	26.1	81.3	111	48.5	79.7	61.3	96.8	190	14	50.2	122	166	<9	<23
SMH - 12	<12	<8	<16	26.7	28.7	<14	23.5	<24	28.4	43.9	<10	<18	36.8	43.6	<9	<23
SMH - 13	25.9	10.2	58.7	258	226	106	205	132	192	413	35.2	121	228	357	37.7	48.2
SMH - 14	14.8	54.7	188	489	364	197	394	226	410	944	84.1	208	681	783	31.8	71.1
SMH - 17	<12	21.3	39.9	142	173	64.1	118	92.4	161	194	37.7	74.7	186	211	42.9	31
SMH - 18	<12	<8	<16	76.8	82.6	30.8	60.3	41.8	62	116	<10	34.6	75	101	17.7	<23
SMH - 19	118	18.8	136	493	675	293	365	283	698	1650	56	256	1360	1030	33	92.1
SMH - 20	15.8	<8	27.9	144	142	55.2	97.1	66.9	111	226	<10	57	88.6	185	10.7	<23
SMH - 21	135	454	688	1630	1190	759	1080	537	1430	4640	423	471	4410	3330	435	193
SMH - 22	15.8	<8	26	128	135	49.8	88.7	75	122	175	12.2	58.7	75.3	138	14.6	<23
SMH - 23	73.5	18.5	219	557	547	220	384	229	518	1220	85.9	208	762	890	30.8	69.6
SMH - 24	57.3	12	126	547	481	231	421	213	406	1010	45.1	195	446	741	30.9	73
SMH - 25	<12	11.7	142	131	113	61.9	103	60.9	125	386	26.3	51	183	261	18.1	<23
SMH - 26	25.1	16.4	68.9	282	369	130	232	172	270	543	27.8	141	280	405	21.8	48.7
SMH - 27	68.4	76.8	352	1110	960	479	757	427	987	2270	143	399	1200	1730	250	149
SMH - 28	26	<8	73.2	254	270	115	176	105	209	487	25.2	92.6	269	367	14.7	34.4
SMH - 29	15	34.3	58.2	296	337	150	239	205	318	523	34.6	165	261	415	21.3	61.6
SMH - 30	16.2	<8	34.5	173	195	79.6	128	94.1	157	292	14.3	81.6	128	237	14.7	30
SMH - 31	<12	11.5	32.6	103	113	49.2	70.3	53.5	93.2	194	16.9	42.7	129	148	<9	<23
SMH - 32	26.8	24	66.9	434	344	223	344	212	430	770	28.8	190	194	591	32.6	77
SMH - 33	<12	20.9	28	99.9	118	44.6	72.9	53.9	107	187	16.8	40.9	116	141	10.4	<23
SMH - 34	29.3	26.6	81.9	264	340	128	221	143	276	574	40.3	118	367	435	30.6	45.4
SMH - 35	<12	25.8	42.8	208	231	108	166	101	241	491	27	83.2	290	367	16.5	33
SMH - 36	42.5	12.4	107	336	349	188	282	199	345	862	32	159	497	661	44.3	52.5
SMH - 37	13.9	12	24.6	82.1	118	45.9	85	82.5	94.8	197	22.6	64.1	153	150	10.3	<23
SMH - 38	21.6	<8	45.1	139	116	77.7	116	73.8	145	326	15.2	64.2	153	250	24.9	<23
SMH - 39	24.7	<8	82.8	267	288	106	195	146	246	468	19.1	120	176	373	23.7	45.3
SMH - 40	23.1	10.2	45.5	186	244	96.4	163	116	169	355	20.5	92.8	186	273	17.8	33.8
SMH - 41	<12	<8	<16	85.5	86.3	31.1	55.3	38.9	70.6	139	<10	32.5	<15	104	<9	<23
SMH - 42	<12	<8	<16	64.7	92.4	29.3	63.1	51.8	60.3	67.9	<10	44.5	30.6	59.1	<9	<23
SMH - 43	<12	<8	<16	41.1	42	18.3	31	<24	30.4	51.1	<10	21.7	36.8	57.1	<9	<23
SMH - 48	29.9	<8	71.2	176	167	74.8	127	73.3	158	393	36	66	308	305	25.2	<23
SMH - 49	<12	<8	<16	69.4	75.1	33.2	45.8	30.2	52.1	101	<10	25.7	67.7	78.1	13	<23
SMH - 50	17	<8	36.2	181	277	81	169	160	188	338	12.3	118	143	263	16.8	42
SMH - 51	63.2	13	169	450	455	228	313	202	412	1090	48.2	167	811	809	48.4	60.8
SMH - 52	112	27.6	410	1080	831	487	781	393	942	2500	183	361	1830	1770	68.2	133
SMH - 53	34.4	12.2	76	234	281	108	196	126	239	577	38.6	105	373	428	31	39.7
SMH - 54	44.8	<8	127	536	600	252	397	226	433	1040	32.4	201	399	786	29.7	76.2
SMH - 55	34.8	<8	59.8	246	292	123	224	151	251	490	22.7	124	197	378	33.1	46.1
SMH - 56	<12	13.3	67.7	160	195	74.3	124	80.4	142	301	14.9	65.4	128	228	17	<23
SMH - 57	116	14.6	236	805	856	329	550	279	683	1840	76.9	268	1230	1290	39.3	92.7
SMH - 58	104	22.5	275	866	766	448	627	301	842	1850	92.3	283	912	1380	78.8	105
SMH - 59	21.3	10	51.7	197	258	92.4	165	106	168	389	15.8	92.2	188	330	22.7	31.9
SMH - 60	16.6	24.2	170	168	170	73.3	134	80.8	159	920	200	66.7	1590	495	24.8	<23
SMH - 61	32.5	23.7	82	297	365	150	234	157	303	630	36.7	130	298	520	45	46.5
SMH - 62	27.6	33.2	88	340	448	198	338	269	361	601	36.7	209	273	501	47.1	79
SMH - 63	<12	<8	<16	82.4	91.5	40.4	67.2	49.6	72.5	133	11.6	43.3	51.7	110	11	<23
SMH - 64	38.8	<8	81.9	302	381	140	234	145	306	582	27.2	130	280	437	42	45.6
SMH - 65	30.8	<8	76.3	315	378	158	234	145	302	619	23.9	127	263	472	20	48.7
SMH - 66	27.6	<8	103	238	284	106	177	107	219	449	21.6	91.7	188	345	33.2	35.3
SMH - 67	229	74.2	703	2450	2580	1050	1770	877	1900	4900	208	818	2400	3660	255	313
SMH - 68	<12	11	25.2	143	235	77.3	159	110	142	226	13	87.1	108	195	24.2	34.4
SMH - 69	18.5	<8	35.8	170	173	74.8	132	76.9	132	302	<10	68.2	128	221	25.6	<23
SMH - 70	<12	21	62.5	109	222	78.3	121	132	133	588	14.5	88.9	633	337	20.4	30.1
SMH - 71	<12	<8	<16	59.2	70.4	37	48.9	44.4	67.8	110	12.8	34.9	80.6	95.1	20.5	<23
SMH - 72	53.8	17.5	143	827	940	392	729	518	769	1330	44.8	441	534	1030	36.9	159
SMH - 73	28	<8	51	239	222	111	173	120	203	419	23.7	95.4	185	339	33.1	34.7
SMH - 74	168	30.1	484	1190	1220	407	867	435	1020	3010	229	398	2130	2170	49.8	142
SMH - 77	37.6	21.7	163	443	472	184	334	192	406	1090	73.6	166	733	774	15.5	62.4
SMH - 78	19	<8	43.6	176	201	75.8	120	72.2	143	312	13	71.6	163	229	23.1	28.3
SMH - 79	90.9	26.2	231	697	746	258	547	279	498	1390	88.5	262	795	1010	66.3	95.8
SMH - 80	83.4	29	222	622	718	292	536	295	515	1250	84.5	262	878	937	53	95.5
SMH - 81	42.5	14.3	123	454	550	193	347	194	337	924	47.7	171	374	663	23.8	62.4
SMH - 82	98.4	17.7	154	425	427	179	306	168	408	997	118	160	766	716	30.8	52.1
SMH - 83	17.3	<8	31.9	127	146	59	99.2	51.1	124	228	12.2	47.7	115	182	23	<23
SMH - 84	19.9	<8	36.9	173	141	73.3	141	76	125	321	13.5	69.2	135	234	21.4	<23
SMH - 85	<12	<8	<16	69.4	56.7	27.5	57.2	34.2	52.1	105	<10	30.5	42.7	76.1	13.7	<23
SMH - 86	20.2	9.76	61.2	197	212	81.6	135	77.1	192	405	25.4	72.7	266	304	44.3	26.8

Sample	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
SMH - 87	66.3	26.7	190	963	1130	489	804	487	885	1920	48.2	427	727	1420	38.8	159
SMH - 88	24.4	11.3	49.3	199	280	99.9	166	112	175	357	24.7	98.2	170	292	28.4	34
SMH - 89	4560	760	10400	19000	16600	5970	13100	5110	14700	48200	6140	5280	46800	32500	687	1810
SMH-90	24.8	9.87	68.7	326	373	163	253	155	321	626	19.8	124	209	477	34	49.1
SMH-91	20.4	<8	42.4	198	215	94.5	133	88.1	161	342	13	75.2	137	270	18.8	29.6
SMH-92	<12	<8	<16	77.4	104	37	63.8	36.1	66.8	114	<10	32.5	56.4	95.7	13.8	<23
SMH-93	<12	<8	18.5	97.9	109	47.5	75.6	50	93.5	147	<10	38.1	78.3	116	<9	<23
SMH-94	36.8	32.1	125	576	814	278	459	295	742	901	58.9	256	462	836	48.9	117
SMH-95	173	41.2	879	2280	2180	858	1480	684	1710	5080	198	679	2440	3720	88	269
SMH-96	37.8	49	148	616	856	326	594	353	567	1100	66.8	311	405	858	52.9	117
SMH-97	<12	<8	<16	62	59.2	21.6	35.6	<24	41.5	69.7	<10	<18	42.5	59.5	<9	<23
SMH-98	<12	<8	<16	<14	<15	<14	<15	<24	<10	<17	<10	<18	<15	<15	<9	<23
SMH-99	24.6	10.8	153	387	440	172	293	155	316	789	43.3	143	343	598	19.5	53.7
SMH-100	<12	11.9	32.7	132	159	50.1	100	57	114	206	18.4	50	134	163	18.8	<23
SMH-101	<12	<8	20.6	112	152	51	105	73.9	90.2	172	<10	60.3	84.5	144	18.7	<23
SMH-102	<12	<8	<16	70.9	73.9	29.2	51.1	33.4	46.2	91.8	<10	27.5	48.5	78.4	11.5	<23
SMH-103	21.2	<8	40.6	179	228	78.2	144	113	131	314	15.1	94.8	127	238	22.1	36.4
SMH-104	18.5	11.1	52.8	190	266	96.1	172	111	183	310	25.4	98.5	157	262	21.7	37.9
SMH-105	<12	9.64	34	158	199	77.5	109	76.2	139	247	18.9	65.4	138	181	16	30.7
SMH-106	<12	<8	<16	69.6	69.1	28.7	43.7	32.7	49.6	69.6	<10	26.6	55	69.8	<9	<23
SMH-107	<12	<8	<16	76.1	103	34.4	63.1	51.4	76.1	96.5	<10	35.4	68.3	93.2	<9	<23
SMH-108	92.4	19.7	329	863	930	383	600	328	644	2050	161	294	1320	1430	51.3	109
SMH-109	121	323	597	1660	1860	712	1260	638	1390	3490	386	631	2140	2400	161	232
SMH-110	<12	<8	<16	76.9	93.5	39.3	58.7	51.1	56	117	<10	38.3	58.8	93.9	14.7	<23
SMH-111	<12	<8	<16	55.6	49.7	24.3	33.6	<24	38.3	56	<10	<18	30	46.3	<9	<23
SMH-112	<12	<8	<16	75.1	83.1	28	47.8	34.1	51.2	73.4	<10	26.5	37.1	61.7	<9	<23
SMH-113	<12	<8	<16	<14	45.9	<14	28.1	30.1	23.3	46	<10	23.6	25.3	43.2	<9	<23
SMH-114	<12	<8	<16	82.5	103	41.7	72.8	52.1	73.6	108	<10	43.8	47.8	90.5	<9	<23
SMH-115	158	34.9	473	1070	1100	417	669	341	710	2630	307	319	2450	1830	64	125
SMH-116	83.1	17.5	368	1380	1330	528	927	421	1060	2770	63.2	420	579	2070	53.5	160
SMH-117	70.9	11.7	154	570	674	271	417	240	477	1150	46.1	223	524	850	47.1	83.6
SMH-118	65.9	24.6	147	585	686	283	446	288	499	1110	44	248	427	848	52.3	93.2
SMH-119	24.2	<8	70.4	237	259	98	167	107	200	526	20.7	91.5	365	380	<9	35.8
SMH-120	28.7	<8	73.8	265	305	120	196	129	247	562	20.7	112	223	424	21.8	44.1
SMH121	229	12400	9620	24600	25500	18100	24300	14000	28600	48200	9190	16500	46400	35400	2470	3920
SMH122	873	160	3360	8800	5940	5810	6480	2730	7270	19600	1710	3370	14400	13700	175	837
SMH123	<100	<100	<100	352	290	295	318	158	360	668	<100	177	296	498	<100	<100
SMH124	<100	<100	475	817	549	600	642	287	771	1510	<100	320	707	1150	<100	<100
SMH125	<100	<100	<100	370	293	298	326	162	379	692	<100	187	303	541	<100	<100
SMH126	<100	<100	<100	337	268	270	297	140	343	634	<100	179	283	490	<100	<100
SMH127	139	<100	479	1710	1010	1080	1140	472	1380	3440	115	626	2440	2730	<100	128
SMH128	<100	<100	<100	277	240	221	240	120	298	558	<100	162	331	428	<100	<100
SMH129	<100	<100	<100	521	490	486	452	235	592	879	<100	271	305	693	<100	<100
SMH130	<100	<100	<100	349	236	261	301	144	368	601	<100	180	233	523	<100	<100
SMH131	<100	<100	106	500	436	429	458	227	516	924	<100	257	383	723	<100	<100
SMH132	<100	<100	<100	240	174	194	206	<100	250	474	<100	129	274	365	<100	<100
SMH133	208	<100	557	2580	1810	1800	2010	860	2080	4770	141	1090	1660	3520	129	253
SMH134	5740	1190	13300	21200	12500	12900	14900	5980	19200	51100	5680	8170	54000	35400	438	1880
SMH135	<100	<100	<100	167	115	125	145	<100	183	325	<100	<100	170	278	<100	<100
SMH136	<100	<100	<100	363	253	269	307	147	360	630	<100	180	245	546	<100	<100
SMH137	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SMH138	<100	<100	<100	167	138	125	148	<100	187	284	<100	<100	143	236	<100	<100
SMH139	<100	<100	<100	110	137	<100	124	<100	137	161	<100	<100	<100	142	<100	<100
SMH140	<100	<100	<100	<100	<100	<100	<100	<100	<100	129	<100	<100	<100	109	<100	<100
SMH141	<100	<100	<100	<100	<100	<100	<100	<100	<100	114	<100	<100	<100	<100	<100	<100
SMH142	<100	<100	<100	135	121	<100	126	<100	140	227	<100	<100	<100	192	<100	<100
SMH143	<100	<100	<100	140	167	118	155	<100	176	193	<100	130	109	172	<100	<100
SMH144	<100	<100	<100	241	184	198	215	113	248	460	<100	155	213	361	<100	<100
SMH145	<100	<100	123	472	354	366	409	207	465	825	<100	294	268	717	<100	<100
SMH146	<100	<100	<100	<100	<100	<100	<100	<100	107	149	<100	<100	<100	130	<100	<100
SMH147	<100	<100	<100	338	232	252	292	137	338	666	<100	158	303	546	<100	<100
SMH148	<100	<100	<100	235	165	166	196	<100	217	441	<100	135	388	362	<100	<100
SMH149	<100	<100	<100	<100	<100	<100	<100	<100	<100	113	<100	<100	<100	<100	<100	<100
SMH150	<100	<100	177	825	698	600	675	346	809	1360	<100	463	649	1130	<100	109
SMH151	<100	<100	<100	182	152	142	177	<100	196	328	<100	120	160	272	<100	<100
SMH152	<100	<100	<100	291	219	202	276	127	358	646	<100	157	334	501	<100	<100
SMH153	281	<100	1040	3570	2310	2240	2410	1100	2720	7160	259	1590	4270	5570	110	302
SMH154	<100	<100	194	850	548	617	681	296	772	1700	<100	352	825	1380	<100	<100
SMH155	<100	<100	<100	122	115	<100	<100	<100	120	209	<100	<100	<100	181	<100	<100
SMH156	<100	<100	<100	341	285	267	291	140	338	595	<100	197	275	513	<100	<100
SMH157	18600	2610	16800	32200	17900	18500	21600	8630	26100	73500	14400	11700	78800	56900	1530	2490
SMH158	<100	<100	155	597	457	443	541	237	583	1190	<100	359	588	963	<100	<100
SMH159	515	119	1160	2680	1540	1780	1990	840	2260	5410	789	1230	4450	4250	<100	264
SMH160	4880	627	5120	11900	6670	7280	8580	3400	10300	25300	2490	5000	27400	19000	977	899
SMH161	<100	<100	324	1300	900	898	1070	490	1170	2320	<100	699	1040	1880	<100	143
SMH162	<100	<100	170	801	611	579	666	322	721	1370	<100	426	608	1150	<100	<100
SMH163	<100	<100	455	1480	1180	971	1110	575	1320	2750	170	770	1910	2030	<100	193
SMH164	<100	<100	131	446	346	337	376	189	449	842	<100					

Sample	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
SMH170	<100	<100	<100	235	280	214	286	168	303	355	<100	202	171	350	<100	<100
SMH171	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SMH172	<100	<100	<100	158	130	125	158	130	182	298	<100	<100	181	260	<100	<100
SMH173	<100	<100	<100	152	184	161	203	128	207	219	<100	133	119	216	<100	<100
SMH174	<100	<100	<100	<100	<100	<100	<100	<100	<100	145	<100	<100	<100	127	<100	<100
SMH175	<100	<100	<100	135	<100	<100	121	<100	140	250	<100	<100	154	208	<100	<100
SMH176	<100	<100	340	1230	826	887	1020	430	1160	2400	<100	646	1130	1910	<100	139
SMH177	<100	<100	<100	308	221	220	266	127	321	542	<100	151	248	463	<100	<100
SMH178	<100	<100	<100	<100	<100	<100	<100	<100	<100	141	<100	<100	<100	122	<100	<100
SMH179	<100	<100	<100	142	129	<100	121	<100	148	242	<100	<100	145	211	<100	<100
SMH180	<100	<100	<100	219	147	156	190	<100	244	483	<100	121	421	374	<100	<100
SMH181	<100	<100	<100	243	193	184	212	<100	236	424	<100	134	222	353	<100	<100
SMH182	<100	<100	<100	286	239	222	249	122	292	514	<100	157	232	445	<100	<100
SMH183	<100	<100	<100	224	156	151	187	<100	212	400	<100	<100	262	328	147	<100
SMH184	<100	<100	<100	160	<100	<100	123	<100	141	298	<100	<100	200	244	<100	<100
SMH185	170	<100	394	1330	871	886	979	442	1110	2490	146	604	1550	2010	<100	126
SMH186	<100	<100	<100	309	228	212	254	118	297	581	<100	167	261	463	<100	<100
SMH187	151	<100	369	1450	917	985	1090	488	1300	2970	<100	709	1520	2310	<100	142
SMH188	<100	<100	<100	<100	<100	<100	<100	<100	<100	145	<100	<100	<100	126	<100	<100
SMH189	<100	<100	<100	230	154	166	187	<100	231	464	<100	<100	284	380	<100	<100
SMH190	199	<100	313	665	472	492	558	247	650	1400	209	359	1290	1150	<100	<100
SMH191	<100	<100	127	491	368	358	412	188	478	940	<100	265	479	794	<100	<100
SMH192	<100	<100	<100	180	161	144	164	<100	186	310	<100	<100	183	267	<100	<100
SMH193	<100	<100	<100	323	268	234	280	129	308	539	<100	192	212	452	<100	<100

Sample	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
POS - 178							80.4								16	
POS - 179							30.5								<9	
POS - 180							115								20.6	
POS - 181							135								20	
POS - 182							107								21	
POS - 183							64.2								14.5	
POS - 184							49.5								<9	
POS - 185							113								23.2	
POS - 186							98.2								21.8	
POS - 187							116								<9	
POS - 188							29.3								<9	
POS - 189							38.4								<9	
POS - 190							73.6								12.9	
maximum	18600	12400	16800	32200	25500	18500	24300	14000	28600	73500	14400	16500	78800	56900	2470	3920
Resi <1	-	588000	8270000	7560	20000	216000	900	235000	1500000	822000	615000	19200	-	563000	585	1970

Coed Darcy_Monitor Phase 31 Shallow Soils Validation

[illegible]

[illegible]

Sample Ref	Asbestos Quantification - Total - %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
SMH174		Not Detected	Not Detected	Not Detected
SMH175		Not Detected	Not Detected	Not Detected
SMH176		Not Detected	Not Detected	Not Detected
SMH177		Not Detected	Not Detected	Not Detected
SMH178		Not Detected	Not Detected	Not Detected
SMH179		Not Detected	Not Detected	Not Detected
SMH180		Detected	Not Detected	Not Detected
SMH181		Not Detected	Not Detected	Not Detected
SMH182		Not Detected	Not Detected	Not Detected
SMH183		Not Detected	Not Detected	Not Detected
SMH184		Not Detected	Not Detected	Not Detected
SMH185		Not Detected	Not Detected	Not Detected
SMH186		Not Detected	Not Detected	Not Detected
SMH187		Not Detected	Not Detected	Not Detected
SMH188		Not Detected	Not Detected	Not Detected
SMH189		Not Detected	Not Detected	Not Detected
SMH190		Not Detected	Not Detected	Not Detected
SMH191		Not Detected	Not Detected	Not Detected
SMH192		Not Detected	Not Detected	Not Detected
SMH193		Not Detected	Not Detected	Not Detected
SMH194		Not Detected	Not Detected	Not Detected
SMH195		Not Detected	Not Detected	Not Detected

Coed Darcy_Monitor Phase 31
Stockpile Testing_Pre Placement

Sample Ref	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	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	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Vinyl Chloride	trans-1,2- Dichloroethene	cis-1,2- Dichloroethene	1,1,1- Trichloroethane	Carbontetrachloride	1,2- Dichloroethane	Trichloroethene	Tetrachloroethene	Chlorobenzene	1,1,1,2- Tetrachloroethane	1,1,2,2- Tetrachloroethane		
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
SP92 CSI-1	12.6	1.13	24.7	20.2	29.4	0.177	31.4	<1		66.7	<10	<10	<10	<10	1500	1110	5290	<10	<10	<10	<10	1450	2100	10500	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-2	12.9	0.829	21.2	22.9	31	0.177	28.9	<1		66.7	<10	<10	<10	<10	1710	2340	4930	<10	<10	<10	<10	1550	1910	7780	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-3	17.7	1.07	27	25.2	33	<0.14	30.4	<1		77.1	<10	<10	<10	<10	3660	3610	10000	<10	<10	<10	<10	1450	1640	10400	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-4	20.8	1.59	34.2	30.8	30.5	0.147	33.9	1.26		116	<10	<10	<10	<10	2480	3140	21300	<10	<10	<10	<10	1730	4950	26200	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-5	18.9	1.41	34.1	23	30.2	<0.14	38.6	<1		82.4	<10	<10	<10	<10	<100	<100	<100	<10	<10	<10	<10	<100	<100	12000	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-6	15.9	1.79	31.4	22	39.8	<0.14	35.2	1.02		93.1	<10	<10	<10	<10	1660	1160	4960	<10	<10	<10	<10	1520	1480	7760	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-7	17.6	1.61	39.6	24.1	36.8	<0.14	45.1	1.59		72.1	<10	<10	<10	<10	2580	2870	9180	<10	<10	<10	<10	3690	3420	12300	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-8	18.9	1.66	32	23.7	42.2	<0.14	35.3	1.17		107	<10	<10	<10	<10	1950	2050	8650	<10	<10	<10	<10	2090	2140	18200	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-9	13.4	1.16	30.2	25	33.5	<0.14	32.9	<1		83.5	<10	<10	<10	<10	2030	2230	11100	<10	<10	<10	<10	1040	1750	11300	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-10	21.4	1.97	31.9	23.7	43.8	0.261	36.6	<1		115	<10	<10	<10	<10	1880	1420	7190	<10	<10	<10	<10	1580	1460	10200	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-11	12.2	1.03	22.9	22.2	27.9	0.155	30.5	<1		75.8	<10	<10	<10	<10	2230	5860	7430	<10	<10	<10	<10	2330	3110	10400	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-12	14.1	1.17	21.1	18.9	25.8	<0.14	27.2	<1		107	<10	<10	<10	<10	2070	2270	7070	<10	<10	<10	<10	<100	<100	<100	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-13	12.8	1.42	21.8	17.2	24.5	<0.14	29.4	<1		59.5	<10	<10	<10	<10	2590	5020	12700	<10	<10	<10	<10	<100	<100	18000	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-14	15	1.74	30.1	20.8	48	<0.14	33.9	1.29		167	<10	<10	<10	<10	3180	3180	9750	<10	<10	<10	<10	928	1110	8950	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-15	17.2	0.598	31.2	21.2	45.2	<0.14	32.7	<1	31.8	142	<10	<10	<10	<10	4350	6600	25300	<10	<10	<10	<10	4530	3700	13500	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-16	10.8	0.205	23.2	19.2	20.7	<0.14	32.7	<1	18.8	51.2	<10	<10	<10	<10	<100	<100	6490	<10	<10	<10	<10	<100	<100	7130	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP92 CSI-17	11.2	0.189	21.3	17.7	23.3	<0.14	28.7	<1	18.4	53.6	<10	<10	<10	<10	<100	<100	8650	<10	<10	<10	<10	<100	<100	5360	<10	<10	<3	<6	<3	<10	<11	<5	<7	<14	<5	<14	<5	<14	<5	<10	<10	<10
SP97-1	13	0.335	9.1	41.3	72.6	0.359	15.1	<1	11.3	208	91.2	1730	1890	2430	437000	390000	514000	<10	<10	1390	1620	115000	275000	521000	<10	<2	5.7	10.3	121	<200	<220	<100	<140	<280	2190	<180	<100	<100	<100	<200	<200	<200
SP97-2	43.4	0.894	27.5	105	1100	<0.14	34.8	<1	21.1	535	66.7	1540	3120	4140	94900	161000	416000	<10	<10	2080	2760	21900	127000	463000	<10	<2	<6	<3	<200	<240	<100	<140	<280	<100	<140	<280	<100	<140	<280	<100	<140	<280
SP97-3	35.5	0.709	14.2	107	280	0.188	24.9	<1	15.5	851	49.6	1120	3020	4220	851000	209000	130000	<10	<10	2010	2810	84400	142000	187000	<10	<2	<3	<6	<3	<200	<240	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-4	14.2	0.261	9.59	31.1	102	0.286	14	<1	12	262	20.9	463	2060	3740	47100	58100	185000	<10	<10	1380	2500	22800	45900	136000	<10	<2	<3	<6	<3	<200	<240	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-5	21.1	0.289	12.9	56.6	137	<0.14	22.4	<1	15.6	404	13.4	336	1630	2140	439000	330000	200000	<10	<10	1090	1420	106000	240000	393000	<10	<2	<3	<6	<3	<200	<220	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-6	25	0.526	12.7	58.2	148	<0.14	23	<1	14.8	402	312	5060	4890	4510	336000	422000	32.8	<10	<10	2060	3010	94000	213000	378000	32.8	<2	<3	<6	<3	<200	<240	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-7	31.4	0.495	11.9	65.8	124	0.297	16.3	<1	15.7	291	<10	88.5	493	1110	124000	317000	125000	<10	<10	329	742	71500	238000	889000	<10	<2	<3	<6	<3	<200	<240	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-8	48.5	1.61	14.2	373	380	<0.14	29.3	<1	17.3	17.5	122	2760	3570	3020	239000	302000	475000	11.6	<10	2380	2010	54500	211000	497000	11.6	<2	<3	<6	<3	<200	<240	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-9	16.7	0.351	19.3	41.6	124	0.151	16.1	1.26	24.3	207	62.7	1120	1230	1280	305000	560000	1270000	<10	<10	823	855	132000	335000	721000	<10	<2	<3	<6	<3	<200	<220	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-10	15.3	0.261	9.78	41.2	109	0.554	10.7	<1	15	330	25.3	551	1420	1590	196000	464000	1270000	<10	<10	949	1040	89300	413000	1030000	<10	<2	<3	<6	<3	<200	<240	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-11	40.1	0.269	10.2	159	170	0.235	14.9	<1	13.4	940	206	3200	3910	3200	195000	511000	944000	20.9	<10	2510	2000	243000	789000	1270000	20.9	<2	<3	<6	<3	<200	<220	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP97-12	49.2	0.841	14.5	123	388	0.165	23.8	1.26	19.8	1030	128	2170	3240	3310	161000	122000	98700	13.6	<10	2160	2210	44900	74100	140000	13.6	<2	<3	<6	<3	<200	<240	<100	<140	<280	<100	<140	<280	<100	<140	<280		
SP101-1	14.3	0.199																																								

_Monitor Phase 31
Stockpile Testing_Pre Placement

Sample	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
SP92 CSI-1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-2	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-3	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-4	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-5	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-6	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-7	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-8	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-9	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-10	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-11	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-12	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-13	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-14	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP92 CSI-15	<12	<8	58	124	93.5	50.4	92	60.1	101	277	185	44.7	277	185	213	<9
SP92 CSI-16	<12	<8	<16	<14	<15	<14	<15	<24	<10	<17	<10	<18	<15	<15	<9	<23
SP92 CSI-17	<12	<8	<16	<14	<15	<14	<15	<24	<10	<17	<10	<18	<15	<15	<9	<23
SP97-1	<100	<100	<100	<100	<100	<100	<100	<100	130	<100	<100	<100	<100	182	<100	<100
SP97-2	<100	<100	<100	246	358	277	313	248	420	378	<100	194	365	412	<100	<100
SP97-3	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP97-4	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP97-5	<100	<100	<100	234	263	192	255	150	329	312	<100	135	137	286	<100	<100
SP97-6	<100	<100	<100	155	195	115	<100	<100	231	161	<100	<100	166	210	<100	<100
SP97-7	<100	<100	<100	163	157	145	160	<100	289	285	<100	<100	231	336	<100	<100
SP97-8	<100	<100	<100	<100	116	<100	124	<100	186	145	<100	<100	152	208	<100	<100
SP97-9	<100	<100	<100	461	441	409	453	300	669	1210	<100	261	669	981	<100	<100
SP97-10	<100	<100	<100	224	183	145	213	122	559	467	145	<100	623	619	145	<100
SP97-11	163	<100	132	264	164	173	216	<100	396	428	317	<100	597	496	675	<100
SP97-12	<100	<100	<100	168	180	131	164	<100	206	261	<100	<100	195	249	<100	<100
SP101-1	<100	<100	<100	130	140	<100	136	<100	224	279	<100	<100	234	262	<100	<100
SP101-2	<100	<100	<100	<100	<100	<100	127	<100	167	<100	<100	<100	<100	150	<100	<100
SP101-3	<100	<100	<100	162	126	119	166	<100	215	363	<100	<100	285	318	140	<100
SP101-4	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	140	129	119	<100
SP101-5	<100	<100	<100	216	229	201	268	178	318	297	<100	156	253	355	<100	<100
SP101-6	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SP101-7	<100	<100	165	386	338	294	455	255	543	674	123	212	869	786	113	<100
SP101-8	<100	<100	<100	193	216	179	251	161	293	244	<100	138	182	255	<100	<100
SP101-9	<100	<100	<100	130	<100	<100	<100	<100	216	197	<100	<100	294	271	159	<100
SP101-10	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	126	148	<100	<100
SP101-11	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	118	<100	<100	<100
SP101-12	<100	<100	<100	<100	<100	<100	<100	<100	126	153	<100	<100	205	165	118	<100
maximum	163	0	165	461	441	409	455	300	669	1210	317	261	869	981	675	0
Resi >1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2800	-

Coed Darcy_Monitor Phase 31
Stockpile Testing_Pre Placement

Sample Ref	Asbestos Quantification - Total %	Chrysotile (White) Asbestos	Amosite (Brown) Asbestos	Crocidolite (Blue) Asbestos
SP92 CSI-1		Not Detected	Not Detected	Not Detected
SP92 CSI-2		Not Detected	Not Detected	Not Detected
SP92 CSI-3		Not Detected	Not Detected	Not Detected
SP92 CSI-4		Not Detected	Not Detected	Not Detected
SP92 CSI-5		Not Detected	Not Detected	Not Detected
SP92 CSI-6		Not Detected	Not Detected	Not Detected
SP92 CSI-7		Not Detected	Not Detected	Not Detected
SP92 CSI-8		Not Detected	Not Detected	Not Detected
SP92 CSI-9		Detected	Not Detected	Not Detected
SP92 CSI-10		Not Detected	Not Detected	Not Detected
SP92 CSI-11		Not Detected	Not Detected	Not Detected
SP92 CSI-12		Not Detected	Not Detected	Not Detected
SP92 CSI-13		Not Detected	Not Detected	Not Detected
SP92 CSI-14		Not Detected	Not Detected	Not Detected
SP92 CSI-15		Not Detected	Not Detected	Not Detected
SP92 CSI-16		Not Detected	Not Detected	Not Detected
SP92 CSI-17		Not Detected	Not Detected	Not Detected
SP97-1	-	Trace	Not Detected	Not Detected
SP97-2	-	Not Detected	Trace	Not Detected
SP97-3	-	Trace	Not Detected	Not Detected
SP97-4	<0.001	Not Detected	Not Detected	Not Detected
SP97-5		Not Detected	Not Detected	Not Detected
SP97-6		Detected	Not Detected	Not Detected
SP97-7		Not Detected	Not Detected	Not Detected
SP97-8		Trace	Not Detected	Not Detected
SP97-9		Detected	Not Detected	Detected
SP97-10		Not Detected	Detected	Not Detected
SP97-11		Detected	Detected	Not Detected
SP97-12		Detected	Not Detected	Not Detected
SP101-1		Trace	Not Detected	Not Detected
SP101-2		Detected	Trace	Not Detected
SP101-3		Detected	Detected	Not Detected
SP101-4		Not Detected	Not Detected	Not Detected
SP101-5		Not Detected	Detected	Detected
SP101-6		Detected	Not Detected	Not Detected
SP101-7		Detected	Detected	Not Detected
SP101-8		Not Detected	Detected	Not Detected
SP101-9		Not Detected	Detected	Not Detected
SP101-10		Detected	Not Detected	Detected
SP101-11		Detected	Not Detected	Not Detected
SP101-12		Not Detected	Trace	Not Detected

Appendix G



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

Attention: Selina Bamforth

CERTIFICATE OF ANALYSIS

Date: 20 November 2012
Customer: H_ATKINS_LDC
Sample Delivery Group (SDG): 121031-81
Your Reference: Cuddy Stockpile
Location: Coed Darcy
Report No: 202526

We received 14 samples on Wednesday October 31, 2012 and 14 of these samples were scheduled for analysis which was completed on Tuesday November 20, 2012. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:

Sonia McWhan

Operations Manager





SDG:	121031-81	Location:	Coed Darcy	Order Number:	CD311
Job:	H_ATKINS_LDC-153	Customer:	Atkins Global Ltd	Report Number:	202526
Client Reference:	Cuddy Stockpile	Attention:	Selina Bamforth	Superseded Report:	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
6434572	CSI-1			29/10/2012
6434573	CSI-2			29/10/2012
6434574	CSI-3			29/10/2012
6434575	CSI-4			29/10/2012
6434576	CSI-5			29/10/2012
6434577	CSI-6			29/10/2012
6434578	CSI-7			29/10/2012
6434579	CSI-8			29/10/2012
6434582	CSI-9			29/10/2012
6434583	CSI-10			29/10/2012
6434584	CSI-11			29/10/2012
6434586	CSI-12			29/10/2012
6434587	CSI-13			29/10/2012
6434588	CSI-14			29/10/2012

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



SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)															
	Customer Sample Reference															
	AGS Reference															
	Depth (m)															
	Container															
			6434572	6434573	6434574	6434575	6434576	6434577	6434578	6434579	6434582	6434583	6434584	6434586	6434587	6434588
			CS1-1	CS1-2	CS1-3	CS1-4	CS1-5	CS1-6	CS1-7	CS1-8	CS1-9	CS1-10	CS1-11	CS1-12	CS1-13	CS1-14
			250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)	250g Amber Jar (AL 60g VOC (ALEE215) 400g Tub (ALEE214)
Asbestos Identification (Soil)	All	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 14		X	X	X	X	X	X	X	X	X	X	X	X	X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Cadmium	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Chromium	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Copper	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Lead	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Mercury	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Nickel	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Selenium	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Zinc	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sample description	All	NDPs: 0 Tests: 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X



CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

SOLID**Results Legend**

Test

No Determination
Possible**Lab Sample No(s)****Customer
Sample Reference****AGS Reference****Depth (m)****Container**

Semi Volatile Organic Compounds

All

NDPs: 0
Tests: 14

6434588	6434587	6434586	6434584	6434583	6434582	6434579	6434578	6434577	6434576	6434575	6434574	6434573	6434572
CS1-14	CS1-13	CS1-12	CS1-11	CS1-10	CS1-9	CS1-8	CS1-7	CS1-6	CS1-5	CS1-4	CS1-3	CS1-2	CS1-1
250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
X	X	X	X	X	X	X	X	X	X	X	X	X	X

Total Organic Carbon

All

NDPs: 1
Tests: 13

6434588	6434587	6434586	6434584	6434583	6434582	6434579	6434578	6434577	6434576	6434575	6434574	6434573	6434572
CS1-14	CS1-13	CS1-12	CS1-11	CS1-10	CS1-9	CS1-8	CS1-7	CS1-6	CS1-5	CS1-4	CS1-3	CS1-2	CS1-1
250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
X	X	X	X	X	X	N	X	X	X	X	X	X	X

Total Organic Carbon (Asb)

All

NDPs: 0
Tests: 1

6434588	6434587	6434586	6434584	6434583	6434582	6434579	6434578	6434577	6434576	6434575	6434574	6434573	6434572
CS1-14	CS1-13	CS1-12	CS1-11	CS1-10	CS1-9	CS1-8	CS1-7	CS1-6	CS1-5	CS1-4	CS1-3	CS1-2	CS1-1
250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
					X								

TPH CWG GC (S)

All

NDPs: 0
Tests: 14

6434588	6434587	6434586	6434584	6434583	6434582	6434579	6434578	6434577	6434576	6434575	6434574	6434573	6434572
CS1-14	CS1-13	CS1-12	CS1-11	CS1-10	CS1-9	CS1-8	CS1-7	CS1-6	CS1-5	CS1-4	CS1-3	CS1-2	CS1-1
250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
X	X	X	X	X	X	X	X	X	X	X	X	X	X

VOC MS (S)

All

NDPs: 0
Tests: 14

6434588	6434587	6434586	6434584	6434583	6434582	6434579	6434578	6434577	6434576	6434575	6434574	6434573	6434572
CS1-14	CS1-13	CS1-12	CS1-11	CS1-10	CS1-9	CS1-8	CS1-7	CS1-6	CS1-5	CS1-4	CS1-3	CS1-2	CS1-1
250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)	250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
					X	X	X	X	X	X	X	X	X



SDG:	121031-81	Location:	Coed Darcy	Order Number:	CD311
Job:	H_ATKINS_LDC-153	Customer:	Atkins Global Ltd	Report Number:	202526
Client Reference:	Cuddy Stockpile	Attention:	Selina Bamforth	Superseded Report:	

SOLID
Results Legend

- X

 Test
- N

 No Determination Possible

Lab Sample No(s)

6434588

Customer
Sample Reference

CSI-14

AGS Reference

Depth (m)

Container

60g VOC (ALE215)
400g Tub (ALE214)

Asbestos Identification (Soil)	All	NDPs: 0 Tests: 14	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 14	X
pH	All	NDPs: 0 Tests: 14	X
VOC MS (S)	All	NDPs: 0 Tests: 14	X



SDG:	121031-81	Location:	Coed Darcy	Order Number:	CD311
Job:	H_ATKINS_LDC-153	Customer:	Atkins Global Ltd	Report Number:	202526
Client Reference:	Cuddy Stockpile	Attention:	Selina Bamforth	Superseded Report:	

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
6434572	CSI-1		Light Brown	Clay	<0.063 mm	None	None
6434573	CSI-2		Light Brown	Clay	<0.063 mm	Stones	Vegetation
6434574	CSI-3		Light Brown	Clay	<0.063 mm	Stones	None
6434575	CSI-4		Light Brown	Clay	<0.063 mm	Stones	None
6434576	CSI-5		Light Brown	Clay	<0.063 mm	Stones	None
6434577	CSI-6		Light Brown	Clay Loam	0.063 - 0.1 mm	Stones	None
6434578	CSI-7		Light Brown	Clay	<0.063 mm	None	None
6434579	CSI-8		Light Brown	Clay Loam	0.063 - 0.1 mm	Vegetation	None
6434582	CSI-9		Light Brown	Clay	<0.063 mm	Stones	None
6434583	CSI-10		Light Brown	Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
6434584	CSI-11		Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
6434586	CSI-12		Light Brown	Clay	<0.063 mm	Stones	None
6434587	CSI-13		Dark Brown	Clay Loam	0.063 - 0.1 mm	Crushed Brick	Stones
6434588	CSI-14		Light Brown	Clay Loam	0.063 - 0.1 mm	Stones	None

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

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring 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.

Order Number: CD311
Report Number: 202526
Superseded Report:

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Order Number: CD311
Report Number: 202526
Superseded Report:

Page 8 of 37

Order Number: CD311
Report Number: 202526
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	CSI-1	CSI-2	CSI-3	CSI-4	CSI-5	CSI-6
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m)	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012
S	Deviating sample.							
aq	Aqueous / settled sample.	Sample Type	31/10/2012 121031-81 6434572	31/10/2012 121031-81 6434573	31/10/2012 121031-81 6434574	31/10/2012 121031-81 6434575	31/10/2012 121031-81 6434576	31/10/2012 121031-81 6434577
diss.filt	Dissolved / filtered sample.	Date Sampled						
tot.unfilt	Total / unfiltered sample.	Sample Time	Lab Sample No.(s) AGS Reference					
*	Subcontracted test.	Date Received						
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	SDG Ref						
(F)	Trigger breach confirmed							
Component	LOD/Units	Method						
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: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R	CSI-1	CSI-2	CSI-3	CSI-4	CSI-5	CSI-6
#	ISO17025 accredited.								
M	mCERTS accredited.								
S	Deviating sample.								
aq	Aqueous / settled sample.								
diss.filt	Dissolved / filtered sample.								
tot.unfilt	Total / unfiltered sample.								
*	Subcontracted test.								
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery								
(F)	Trigger breach confirmed								
Component		LOD/Units	Method						
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: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	CSI-7	CSI-8	CSI-9	CSI-10	CSI-11	CSI-12	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012
M	mCERTS accredited.								
S	Deviating sample.								
aq	Aqueous / settled sample.								
diss.filt	Dissolved / filtered sample.								
tot.unfilt	Total / unfiltered sample.								
*	Subcontracted test.								
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery								
(F)	Trigger breach confirmed								
Component	LOD/Units	Method	<100	<100	<100	<100	<100	<100	
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: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R		CSI-7	CSI-8	CSI-9	CSI-10	CSI-11	CSI-12
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				29/10/2012	29/10/2012	29/10/2012	29/10/2012	29/10/2012	29/10/2012
S	Deviating sample.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				31/10/2012	31/10/2012	31/10/2012	31/10/2012	31/10/2012	31/10/2012
(F)	Trigger breach confirmed				121031-81	121031-81	121031-81	121031-81	121031-81	121031-81
					6434578	6434579	6434582	6434583	6434584	6434586
Component		LOD/Units	Method							
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: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	CSI-13	CSI-14			
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference					
M	mCERTS accredited.						
S	Deviating sample.						
aq	Aqueous / settled sample.						
diss.filt	Dissolved / filtered sample.		Soil/Solid	Soil/Solid			
tot.unfilt	Total / unfiltered sample.		29/10/2012	29/10/2012			
*	Subcontracted test.						
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		31/10/2012	31/10/2012			
(F)	Trigger breach confirmed		121031-81	121031-81			
			6434587	6434588			
Component	LOD/Units	Method					
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: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	CSI-13	CSI-14				
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434587	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434588				
S	Deviating sample.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
Component	LOD/Units	Method						
2-Chlorophenol	<100 µg/kg	TM157	<100	<100				
2,6-Dinitrotoluene	<100 µg/kg	TM157	<100	<100				
2,4-Dinitrotoluene	<100 µg/kg	TM157	<100	<100				
2,4-Dimethylphenol	<100 µg/kg	TM157	<100	<100				
2,4-Dichlorophenol	<100 µg/kg	TM157	<100	<100				
2,4,6-Trichlorophenol	<100 µg/kg	TM157	<100	<100				
2,4,5-Trichlorophenol	<100 µg/kg	TM157	<100	<100				
1,4-Dichlorobenzene	<100 µg/kg	TM157	<100	<100				
1,3-Dichlorobenzene	<100 µg/kg	TM157	<100	<100				
1,2-Dichlorobenzene	<100 µg/kg	TM157	<100	<100				
2-Chloronaphthalene	<100 µg/kg	TM157	<100	<100				
2-Methylnaphthalene	<100 µg/kg	TM157	<100	<100				
Acenaphthylene	<100 µg/kg	TM157	<100	<100				
Acenaphthene	<100 µg/kg	TM157	<100	<100				
Anthracene	<100 µg/kg	TM157	<100	<100				
Benzo(a)anthracene	<100 µg/kg	TM157	<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	<100				
Fluoranthene	<100 µg/kg	TM157	<100	<100				
Fluorene	<100 µg/kg	TM157	<100	<100				
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157	<100	<100				
Phenanthrene	<100 µg/kg	TM157	<100	<100				
Pyrene	<100 µg/kg	TM157	<100	<100				
Naphthalene	<100 µg/kg	TM157	<100	<100				
Dibenzo(a,h)anthracene	<100 µg/kg	TM157	<100	<100				



CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	CSI-1	CSI-2	CSI-3	CSI-4	CSI-5	CSI-6
#	ISO17025 accredited.		Soil/Solid 29/10/2012 31/10/2012 121031-81 6434572	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434573	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434574	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434575	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434576	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434577
M	mCERTS accredited.							
S	Deviating sample.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	97	88	99	100	83	82
GRO >C5-C12	<44 µg/kg	TM089	<44	<44	<44	<44	<44	<44
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
Benzene	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Toluene	<2 µg/kg	TM089	<2	<2	<2	<2	<2	<2
Ethylbenzene	<3 µg/kg	TM089	<3	<3	<3	<3	<3	<3
m,p-Xylene	<6 µg/kg	TM089	<6	<6	<6	<6	<6	<6
o-Xylene	<3 µg/kg	TM089	<3	<3	<3	<3	<3	<3
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	1500	1710	3660	2480	<100	1660
Aliphatics >C16-C21	<100 µg/kg	TM173	1110	2340	3610	5140	<100	1160
Aliphatics >C21-C35	<100 µg/kg	TM173	5260	4930	10000	21900	<100	4960
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	2710	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	7870	8970	17300	32300	<100	7790
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	1450	1550	1450	1730	<100	1520
Aromatics >EC16-EC21	<100 µg/kg	TM173	2100	1910	1640	4050	<100	1480
Aromatics >EC21-EC35	<100 µg/kg	TM173	10500	7780	10400	26800	12000	7760
Aromatics >EC35-EC44	<100 µg/kg	TM173	4180	1880	1890	9220	<100	1350
Aromatics >EC40-EC44	<100 µg/kg	TM173	1540	<100	<100	3220	<100	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	18200	13100	15300	41800	12000	12100
Total Aliphatics >C5-35	<100 µg/kg	TM173	7870	8980	17300	29600	<100	7790
Total Aromatics >C5-35	<100 µg/kg	TM173	14000	11200	13400	32600	12100	10800
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	21900	20200	30700	62200	12100	18600

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CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	CSI-7	CSI-8	CSI-9	CSI-10	CSI-11	CSI-12
#	ISO17025 accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.		29/10/2012	29/10/2012	29/10/2012	29/10/2012	29/10/2012	29/10/2012
S	Deviating sample.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	70	85	88	98	105	82
GRO >C5-C12	<44 µg/kg	TM089	<44	<44	<44	<44	<44	<44
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
Benzene	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Toluene	<2 µg/kg	TM089	<2	<2	<2	<2	<2	<2
Ethylbenzene	<3 µg/kg	TM089	<3	<3	<3	<3	<3	<3
m,p-Xylene	<6 µg/kg	TM089	<6	<6	<6	<6	<6	<6
o-Xylene	<3 µg/kg	TM089	<3	<3	<3	<3	<3	<3
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173	2580	1950	2030	1880	2230	2070
Aliphatics >C16-C21	<100 µg/kg	TM173	2870	2050	2230	1420	5860	2270
Aliphatics >C21-C35	<100 µg/kg	TM173	9180	8650	11100	7190	7430	7070
Aliphatics >C35-C44	<100 µg/kg	TM173	<100	<100	<100	<100	<100	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	14600	12600	15300	10500	15500	11400
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173	3690	2090	1040	1580	2330	<100
Aromatics >EC16-EC21	<100 µg/kg	TM173	3420	2140	1750	1460	3110	<100
Aromatics >EC21-EC35	<100 µg/kg	TM173	12300	19200	11300	10200	10400	<100
Aromatics >EC35-EC44	<100 µg/kg	TM173	2610	6100	4040	2150	4170	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173	<100	1890	1380	<100	1640	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	22000	29500	18100	15400	20000	<100
Total Aliphatics >C5-35	<100 µg/kg	TM173	14600	12600	15300	10500	15500	11400
Total Aromatics >C5-35	<100 µg/kg	TM173	19400	23400	14100	13300	15900	<100
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	34000	36100	29400	23800	31400	11400

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Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R	CSI-13	CSI-14				
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434587	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434588				
S	Deviating sample.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	72	85				
GRO >C5-C12	<44 µg/kg	TM089	<44	<44				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5				
Benzene	<10 µg/kg	TM089	<10	<10				
Toluene	<2 µg/kg	TM089	<2	<2				
Ethylbenzene	<3 µg/kg	TM089	<3	<3				
m,p-Xylene	<6 µg/kg	TM089	<6	<6				
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	<10	<10				
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10				
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10				
Aliphatics >C10-C12	<10 µg/kg	TM089	<10	<10				
Aliphatics >C12-C16	<100 µg/kg	TM173	2690	3180				
Aliphatics >C16-C21	<100 µg/kg	TM173	5020	3180				
Aliphatics >C21-C35	<100 µg/kg	TM173	12700	9750				
Aliphatics >C35-C44	<100 µg/kg	TM173	11400	<100				
Total Aliphatics >C12-C44	<100 µg/kg	TM173	31800	16100				
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10				
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10				
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10				
Aromatics >EC10-EC12	<10 µg/kg	TM089	<10	<10				
Aromatics >EC12-EC16	<100 µg/kg	TM173	<100	928				
Aromatics >EC16-EC21	<100 µg/kg	TM173	<100	1110				
Aromatics >EC21-EC35	<100 µg/kg	TM173	18000	8950				
Aromatics >EC35-EC44	<100 µg/kg	TM173	27600	1980				
Aromatics >EC40-EC44	<100 µg/kg	TM173	16000	<100				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	45600	13000				
Total Aliphatics >C5-35	<100 µg/kg	TM173	20400	16100				
Total Aromatics >C5-35	<100 µg/kg	TM173	18000	11000				
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	38400	27100				

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CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
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Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		CSI-1	CSI-2	CSI-3	CSI-4	CSI-5	CSI-6
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012	Soil/Solid 29/10/2012
M	mCERTS accredited.									
S	Deviating sample.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				31/10/2012 121031-81 6434572	31/10/2012 121031-81 6434573	31/10/2012 121031-81 6434574	31/10/2012 121031-81 6434575	31/10/2012 121031-81 6434576	31/10/2012 121031-81 6434577
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
Component	LOD/Units	Method								
Dibromofluoromethane**	%	TM116			103	73.3	93.1	86	81.1	96.6
Toluene-d8**	%	TM116			101	100	99.6	98.3	100	102
4-Bromofluorobenzene**	%	TM116			109	109	112	113	103	107
Dichlorodifluoromethane	<4 µg/kg	TM116			<4	<4	<4	<4	<4	<4
Chloromethane	<7 µg/kg	TM116								
Vinyl Chloride	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
Bromomethane	<13 µg/kg	TM116			<13	<13	<13	<13	<13	<13
Chloroethane	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
Trichlorofluoromethane	<6 µg/kg	TM116			<6	<6	<6	<6	<6	<6
1.1-Dichloroethene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
Carbon Disulphide	<7 µg/kg	TM116			<7	<7	<7	17.7	<7	<7
Dichloromethane	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116			<11	<11	<11	<11	<11	<11
trans-1-2-Dichloroethene	<11 µg/kg	TM116			<11	<11	<11	<11	<11	<11
1.1-Dichloroethane	<8 µg/kg	TM116			<8	<8	<8	<8	<8	<8
cis-1-2-Dichloroethene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
2.2-Dichloropropane	<12 µg/kg	TM116			<12	<12	<12	<12	<12	<12
Bromochloromethane	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
Chloroform	<8 µg/kg	TM116			<8	<8	<8	<8	<8	<8
1.1.1-Trichloroethane	<7 µg/kg	TM116			<7	<7	<7	<7	<7	<7
1.1-Dichloropropene	<11 µg/kg	TM116			<11	<11	<11	<11	<11	<11
Carbontetrachloride	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
1.2-Dichloroethane	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
Benzene	<9 µg/kg	TM116			<9	<9	<9	<9	<9	<9
Trichloroethene	<9 µg/kg	TM116			<9	<9	<9	<9	<9	<9
1.2-Dichloropropane	<12 µg/kg	TM116			<12	<12	<12	<12	<12	<12
Dibromomethane	<9 µg/kg	TM116			<9	<9	<9	<9	<9	<9
Bromodichloromethane	<7 µg/kg	TM116			<7	<7	<7	<7	<7	<7
cis-1-3-Dichloropropene	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
Toluene	<5 µg/kg	TM116			<5	7.77	6.8	11.2	7.98	<5
trans-1-3-Dichloropropene	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10



CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		CSI-1	CSI-2	CSI-3	CSI-4	CSI-5	CSI-6
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				29/10/2012	29/10/2012	29/10/2012	29/10/2012	29/10/2012	29/10/2012
\$	Deviating sample.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				31/10/2012	31/10/2012	31/10/2012	31/10/2012	31/10/2012	31/10/2012
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				121031-81	121031-81	121031-81	121031-81	121031-81	121031-81
(F)	Trigger breach confirmed				6434572	6434573	6434574	6434575	6434576	6434577
Component	LOD/Units	Method								
1.3-Dichloropropane	<7 µg/kg	TM116			<7	<7	<7	<7	<7	<7
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<13	<13	<13	<13	<13	<13
					M	M	M	M	M	M
1.2-Dibromoethane	<12 µg/kg	TM116			<12	<12	<12	<12	<12	<12
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
					M	M	M	M	M	M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<4	<4	<4	<4	<4	<4
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
					M	M	M	M	M	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	<17	<17	<17	<17	<17
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<11	<11	<11	<11	<11	<11
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<9	<9	<9	<9	<9	<9
					M	M	M	M	M	M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116			<8	<8	<8	<8	<8	<8
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<12	<12	<12	<12	<12	<12
					M	M	M	M	M	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	<10	<10	<10	<10	<10
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<11	<11	<11	<11	<11	<11
					M	M	M	M	M	M
1.3-Dichlorobenzene	<6 µg/kg	TM116			<6	<6	<6	<6	<6	<6
					M	M	M	M	M	M
1.4-Dichlorobenzene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
1.2-Dichlorobenzene	<12 µg/kg	TM116			<12	<12	<12	<12	<12	<12
					M	M	M	M	M	M
1.2-Dibromo-3-chloroprop ane	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
					M	M	M	M	M	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	<13	<13	<13	<13	<13
					M	M	M	M	M	M

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CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

VOC MS (S)

Results Legend		Customer Sample R	CSI-7		CSI-8		CSI-9		CSI-10		CSI-11		CSI-12	
#	ISO17025 accredited.		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid	
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	29/10/2012		29/10/2012		29/10/2012		29/10/2012		29/10/2012		29/10/2012	
S	Deviating sample.													
aq	Aqueous / settled sample.													
diss.filt	Dissolved / filtered sample.													
tot.unfilt	Total / unfiltered sample.													
*	Subcontracted test.													
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery													
(F)	Trigger breach confirmed													
Component		LOD/Units	Method											
Dibromofluoromethane**		%	TM116		93.7		96.2		82.5		79.9		80.2	
Toluene-d8**		%	TM116		97.9		99.7		99.4		99.2		98	
4-Bromofluorobenzene**		%	TM116		116		117		113		108		120	
Dichlorodifluoromethane		<4 µg/kg	TM116		<4		<4		<4		<4		<4	
Chloromethane		<7 µg/kg	TM116		<7		<7		<7		<7		<7	
Vinyl Chloride		<10 µg/kg	TM116		<10		<10		<10		<10		<10	
Bromomethane		<13 µg/kg	TM116		<13		<13		<13		<13		<13	
Chloroethane		<14 µg/kg	TM116		<14		<14		<14		<14		<14	
Trichlorofluoromethane		<6 µg/kg	TM116		<6		<6		<6		<6		<6	
1.1-Dichloroethene		<10 µg/kg	TM116		<10		<10		<10		<10		<10	
Carbon Disulphide		<7 µg/kg	TM116		<7		20.8		<7		<7		<7	
Dichloromethane		<10 µg/kg	TM116		<10		<10		<10		<10		<10	
Methyl Tertiary Butyl Ether		<11 µg/kg	TM116		<11		<11		<11		<11		<11	
trans-1-2-Dichloroethene		<11 µg/kg	TM116		<11		<11		<11		<11		<11	
1.1-Dichloroethane		<8 µg/kg	TM116		<8		<8		<8		<8		<8	
cis-1-2-Dichloroethene		<5 µg/kg	TM116		<5		<5		<5		<5		<5	
2.2-Dichloropropane		<12 µg/kg	TM116		<12		<12		<12		<12		<12	
Bromochloromethane		<14 µg/kg	TM116		<14		<14		<14		<14		<14	
Chloroform		<8 µg/kg	TM116		<8		<8		<8		<8		<8	
1.1.1-Trichloroethane		<7 µg/kg	TM116		<7		<7		<7		<7		<7	
1.1-Dichloropropene		<11 µg/kg	TM116		<11		<11		<11		<11		<11	
Carbontetrachloride		<14 µg/kg	TM116		<14		<14		<14		<14		<14	
1.2-Dichloroethane		<5 µg/kg	TM116		<5		<5		<5		<5		<5	
Benzene		<9 µg/kg	TM116		<9		<9		<9		<9		<9	
Trichloroethene		<9 µg/kg	TM116		<9		<9		<9		<9		<9	
1.2-Dichloropropane		<12 µg/kg	TM116		<12		<12		<12		<12		<12	
Dibromomethane		<9 µg/kg	TM116		<9		<9		<9		<9		<9	
Bromodichloromethane		<7 µg/kg	TM116		<7		<7		<7		<7		<7	
cis-1-3-Dichloropropene		<14 µg/kg	TM116		<14		<14		<14		<14		<14	
Toluene		<5 µg/kg	TM116		8.06		<5		<5		10.7		11.6	
trans-1-3-Dichloropropene		<14 µg/kg	TM116		<14		<14		<14		<14		<14	
1.1.2-Trichloroethane		<10 µg/kg	TM116		<10		<10		<10		<10		<10	



CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		CSI-7	CSI-8	CSI-9	CSI-10	CSI-11	CSI-12
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				29/10/2012	29/10/2012	29/10/2012	29/10/2012	29/10/2012	29/10/2012
\$	Deviating sample.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				31/10/2012	31/10/2012	31/10/2012	31/10/2012	31/10/2012	31/10/2012
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				121031-81	121031-81	121031-81	121031-81	121031-81	121031-81
(F)	Trigger breach confirmed				6434578	6434579	6434582	6434583	6434584	6434586
Component	LOD/Units	Method								
1.3-Dichloropropane	<7 µg/kg	TM116			<7	<7	<7	<7	<7	<7
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<13	<13	<13	<13	<13	<13
					M	M	M	M	M	M
1.2-Dibromoethane	<12 µg/kg	TM116			<12	<12	<12	<12	<12	<12
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
					M	M	M	M	M	M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<4	<4	<4	<4	<4	<4
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
					M	M	M	M	M	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	<17	<17	<17	<17	<17
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<11	<11	<11	<11	<11	<11
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<9	<9	<9	<9	<9	<9
					M	M	M	M	M	M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116			<8	<8	<8	<8	<8	<8
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<12	<12	<12	<12	<12	<12
					M	M	M	M	M	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	<10	<10	<10	<10	<10
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<11	<11	<11	<11	<11	<11
					M	M	M	M	M	M
1.3-Dichlorobenzene	<6 µg/kg	TM116			<6	<6	<6	<6	<6	<6
					M	M	M	M	M	M
1.4-Dichlorobenzene	<5 µg/kg	TM116			<5	<5	<5	<5	<5	<5
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<10	<10	<10	<10	<10	<10
					M	M	M	M	M	M
1.2-Dichlorobenzene	<12 µg/kg	TM116			<12	<12	<12	<12	<12	<12
					M	M	M	M	M	M
1.2-Dibromo-3-chloroprop ane	<14 µg/kg	TM116			<14	<14	<14	<14	<14	<14
					M	M	M	M	M	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	<13	<13	<13	<13	<13
					M	M	M	M	M	M

Order Number: CD311
Report Number: 202526
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

VOC MS (S)

Results Legend		Customer Sample R	CSI-13	CSI-14				
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434587	Soil/Solid 29/10/2012 31/10/2012 121031-81 6434588				
S	Deviating sample.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	83.7	96.8				
Toluene-d8**	%	TM116	98.7	99.8				
4-Bromofluorobenzene**	%	TM116	126	111				
Dichlorodifluoromethane	<4 µg/kg	TM116	<4	<4				
			M	M				
Chloromethane	<7 µg/kg	TM116	<7	<7				
Vinyl Chloride	<10 µg/kg	TM116	<10	<10				
Bromomethane	<13 µg/kg	TM116	<13	<13				
			M	M				
Chloroethane	<14 µg/kg	TM116	<14	<14				
			M	M				
Trichlorofluoromethane	<6 µg/kg	TM116	<6	<6				
			M	M				
1,1-Dichloroethene	<10 µg/kg	TM116	<10	<10				
			#	#				
Carbon Disulphide	<7 µg/kg	TM116	24.3	<7				
			M	M				
Dichloromethane	<10 µg/kg	TM116	<10	<10				
			#	#				
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<11	<11				
			M	M				
trans-1-2-Dichloroethene	<11 µg/kg	TM116	<11	<11				
			M	M				
1,1-Dichloroethane	<8 µg/kg	TM116	<8	<8				
			M	M				
cis-1-2-Dichloroethene	<5 µg/kg	TM116	<5	<5				
			M	M				
2,2-Dichloropropane	<12 µg/kg	TM116	<12	<12				
			M	M				
Bromochloromethane	<14 µg/kg	TM116	<14	<14				
			M	M				
Chloroform	<8 µg/kg	TM116	<8	<8				
			M	M				
1,1,1-Trichloroethane	<7 µg/kg	TM116	<7	<7				
			M	M				
1,1-Dichloropropene	<11 µg/kg	TM116	<11	<11				
			M	M				
Carbontetrachloride	<14 µg/kg	TM116	<14	<14				
			M	M				
1,2-Dichloroethane	<5 µg/kg	TM116	<5	<5				
			M	M				
Benzene	<9 µg/kg	TM116	<9	<9				
			M	M				
Trichloroethene	<9 µg/kg	TM116	<9	<9				
			M	M				
1,2-Dichloropropane	<12 µg/kg	TM116	<12	<12				
			M	M				
Dibromomethane	<9 µg/kg	TM116	<9	<9				
			M	M				
Bromodichloromethane	<7 µg/kg	TM116	<7	<7				
			M	M				
cis-1-3-Dichloropropene	<14 µg/kg	TM116	<14	<14				
			M	M				
Toluene	<5 µg/kg	TM116	7.3	<5				
			M	M				
trans-1-3-Dichloropropene	<14 µg/kg	TM116	<14	<14				
1,1,2-Trichloroethane	<10 µg/kg	TM116	<10	<10				
			M	M				



CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

VOC MS (S)

Results Legend		Customer Sample R Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	CSI-13 Soil/Solid 29/10/2012 31/10/2012 121031-81 6434587	CSI-14 Soil/Solid 29/10/2012 31/10/2012 121031-81 6434588				
#	ISO17025 accredited.							
M	mCERTS accredited.							
\$	Deviating sample.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
Component	LOD/Units	Method						
1.3-Dichloropropane	<7 µg/kg	TM116	<7	<7				
			#	#				
Tetrachloroethene	<5 µg/kg	TM116	<5	<5				
			M	M				
Dibromochloromethane	<13 µg/kg	TM116	<13	<13				
			M	M				
1.2-Dibromoethane	<12 µg/kg	TM116	<12	<12				
			M	M				
Chlorobenzene	<5 µg/kg	TM116	<5	<5				
			M	M				
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116	<10	<10				
			M	M				
Ethylbenzene	<4 µg/kg	TM116	<4	<4				
			M	M				
p/m-Xylene	<14 µg/kg	TM116	<14	<14				
			#	#				
o-Xylene	<10 µg/kg	TM116	<10	<10				
			M	M				
Styrene	<10 µg/kg	TM116	<10	<10				
			M	M				
Bromoform	<10 µg/kg	TM116	<10	<10				
			M	M				
Isopropylbenzene	<5 µg/kg	TM116	<5	<5				
			M	M				
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116	<10	<10				
			#	#				
1.2.3-Trichloropropane	<17 µg/kg	TM116	<17	<17				
			M	M				
Bromobenzene	<10 µg/kg	TM116	<10	<10				
			M	M				
Propylbenzene	<11 µg/kg	TM116	<11	<11				
			M	M				
2-Chlorotoluene	<9 µg/kg	TM116	<9	<9				
			M	M				
1.3.5-Trimethylbenzene	<8 µg/kg	TM116	<8	<8				
			#	#				
4-Chlorotoluene	<12 µg/kg	TM116	<12	<12				
			M	M				
tert-Butylbenzene	<12 µg/kg	TM116	<12	<12				
			#	#				
1.2.4-Trimethylbenzene	<9 µg/kg	TM116	<9	<9				
			#	#				
sec-Butylbenzene	<10 µg/kg	TM116	<10	<10				
			M	M				
4-Isopropyltoluene	<11 µg/kg	TM116	<11	<11				
			M	M				
1.3-Dichlorobenzene	<6 µg/kg	TM116	<6	<6				
			M	M				
1.4-Dichlorobenzene	<5 µg/kg	TM116	<5	<5				
			M	M				
n-Butylbenzene	<10 µg/kg	TM116	<10	<10				
			M	M				
1.2-Dichlorobenzene	<12 µg/kg	TM116	<12	<12				
			M	M				
1.2-Dibromo-3-chloroprop ane	<14 µg/kg	TM116	<14	<14				
			M	M				
Tert-amyl methyl ether	<15 µg/kg	TM116	<15	<15				
1.2.4-Trichlorobenzene	<6 µg/kg	TM116	<6	<6				
			#	#				
Hexachlorobutadiene	<12 µg/kg	TM116	<12	<12				
Naphthalene	<13 µg/kg	TM116	<13	<13				
			M	M				

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

VOC MS (S)

[illegible]



SDG:	121031-81	Location:	Coed Darcy	Order Number:	CD311
Job:	H_ATKINS_LDC-153	Customer:	Atkins Global Ltd	Report Number:	202526
Client Reference:	Cuddy Stockpile	Attention:	Selina Bamforth	Superseded Report:	

Asbestos Identification - Soil

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-1 SOLID 29/10/2012 00:00:00 121031-81 6434572 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-2 SOLID 29/10/2012 00:00:00 121031-81 6434573 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-3 SOLID 29/10/2012 00:00:00 121031-81 6434574 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-4 SOLID 29/10/2012 00:00:00 121031-81 6434575 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-5 SOLID 29/10/2012 00:00:00 121031-81 6434576 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
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
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-6 SOLID 29/10/2012 00:00:00 121031-81 6434577 TM048	19/11/12	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-7 SOLID 29/10/2012 00:00:00 121031-81 6434578 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-8 SOLID 29/10/2012 00:00:00 121031-81 6434579 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-9 SOLID 29/10/2012 00:00:00 121031-81 6434582 TM048	19/11/12	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-10 SOLID 29/10/2012 00:00:00 121031-81 6434583 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-11 SOLID 29/10/2012 00:00:00 121031-81 6434584 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected



CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
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
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-12 SOLID 29/10/2012 00:00:00 121031-81 6434586 TM048	19/11/12	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-13 SOLID 29/10/2012 00:00:00 121031-81 6434587 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	CSI-14 SOLID 29/10/2012 00:00:00 121031-81 6434588 TM048	19/11/12	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG:	121031-81	Location:	Coed Darcy	Order Number:	CD311
Job:	H_ATKINS_LDC-153	Customer:	Atkins Global Ltd	Report Number:	202526
Client Reference:	Cuddy Stockpile	Attention:	Selina Bamforth	Superseded Report:	

Notification of NDPs (No determination possible)

Date Received : 31/10/2012 12:30:54

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
6434582	CSI-9		Total Organic Carbon	Unsuitable for analysis due to potential Asbestos



SDG:	121031-81	Location:	Coed Darcy	Order Number:	CD311
Job:	H_ATKINS_LDC-153	Customer:	Atkins Global Ltd	Report Number:	202526
Client Reference:	Cuddy Stockpile	Attention:	Selina Bamforth	Superseded Report:	

Table of Results - Appendix

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

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



CERTIFICATE OF ANALYSIS

SDG: 121031-81
Job: H_ATKINS_LDC-153
Client Reference: Cuddy Stockpile

Location: Coed Darcy
Customer: Atkins Global Ltd
Attention: Selina Bamforth

Order Number: CD311
Report Number: 202526
Superseded Report:

Test Completion Dates

Lab Sample No(s)	6434572	6434573	6434574	6434575	6434576	6434577	6434578	6434579	6434582	6434583
Customer Sample Ref.	CSI-1	CSI-2	CSI-3	CSI-4	CSI-5	CSI-6	CSI-7	CSI-8	CSI-9	CSI-10
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012
EPH CWG (Aliphatic) GC (S)	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
EPH CWG (Aromatic) GC (S)	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
GRO by GC-FID (S)	05-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	05-Nov-2012	06-Nov-2012	05-Nov-2012
Metals by iCap-OES (Soil)	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	07-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
pH	05-Nov-2012	06-Nov-2012	05-Nov-2012	06-Nov-2012	06-Nov-2012	05-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
Sample description	03-Nov-2012	03-Nov-2012	03-Nov-2012	03-Nov-2012	03-Nov-2012	03-Nov-2012	03-Nov-2012	03-Nov-2012	03-Nov-2012	03-Nov-2012
Semi Volatile Organic Compounds	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
Total Organic Carbon	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012		20-Nov-2012
Total Organic Carbon (Asb)									20-Nov-2012	
TPH CWG GC (S)	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
VOC MS (S)	05-Nov-2012	05-Nov-2012	05-Nov-2012	06-Nov-2012	06-Nov-2012	05-Nov-2012	06-Nov-2012	05-Nov-2012	05-Nov-2012	05-Nov-2012

Lab Sample No(s)	6434584	6434586	6434587	6434588
Customer Sample Ref.	CSI-11	CSI-12	CSI-13	CSI-14
AGS Ref.				
Depth				
Type	SOLID	SOLID	SOLID	SOLID
Asbestos Identification (Soil)	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012
EPH CWG (Aliphatic) GC (S)	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
EPH CWG (Aromatic) GC (S)	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
GRO by GC-FID (S)	05-Nov-2012	05-Nov-2012	05-Nov-2012	06-Nov-2012
Metals by iCap-OES (Soil)	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
pH	06-Nov-2012	05-Nov-2012	06-Nov-2012	06-Nov-2012
Sample description	03-Nov-2012	03-Nov-2012	03-Nov-2012	03-Nov-2012
Semi Volatile Organic Compounds	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
Total Organic Carbon	20-Nov-2012	20-Nov-2012	20-Nov-2012	20-Nov-2012
TPH CWG GC (S)	06-Nov-2012	06-Nov-2012	06-Nov-2012	06-Nov-2012
VOC MS (S)	06-Nov-2012	05-Nov-2012	05-Nov-2012	05-Nov-2012



CERTIFICATE OF ANALYSIS

SDG:	121031-81	Location:	Coed Darcy	Order Number:	CD311
Job:	H_ATKINS_LDC-153	Customer:	Atkins Global Ltd	Report Number:	202526
Client Reference:	Cuddy Stockpile	Attention:	Selina Bamforth	Superseded Report:	

Appendix

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point, 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 Dimethylphenol, 3,5 Dimethylphenol).

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

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

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

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

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

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

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

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

SOLID MATRICES EXTRACTION SUMMARY				
ANALYSIS	D&C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENTEXTRACTABLE MATER	D&C	DCM	SOX THERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATER	D&C	CYCLOHEXANE	SOX THERM	GRAVIMETRIC
ELEMENTAL SULPHUR	D&C	DCM	SOX THERM	HPLC
PHENOLS BY GOMS	WET	DCM	SOX THERM	GC-MS
HERBICIDES	D&C	HEXANE/ACETONE	SOX THERM	GC-MS
PESTICIDES	D&C	HEXANE/ACETONE	SOX THERM	GC-MS
EPH (DRO)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH CWGBY GC	D&C	HEXANE/ACETONE	END OVER END	GC-FID
PCBAROCLOR 1254 / PCBCON	D&C	HEXANE/ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE/ACETONE	MICROWAVE TM218.	GC-MS
>C6-C40	WET	HEXANE/ACETONE	SHAKER	GC-FID
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE/ACETONE	SHAKER	GC-FID
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DOM/ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY			
ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAHMS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-FID
PCB7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
PCBAROCLOR 1254	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC-MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC-MS
FREESULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PESTOCROPP	DCM	LIQUID/LIQUID SHAKE	GC-MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC-MS
PHENOLS MS	ACETONE	SOLID PHASE EXTRACTION	GC-MS
TH by INFRARED (IR)	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
MINERAL OIL by IR	TCE	STIRRED EXTRACTION (STIR-BAR)	IR
GLYCOLS	NONE	DIRECT INJECTION	GC-FID

Identification of Asbestos in Bulk Materials & Soils

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

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

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.

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



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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date: 23 October 2013
Customer: H_ATKINS_LDC
Sample Delivery Group (SDG): 131004-120
Your Reference: Stockpiles
Location: Coed Darcy Urban Village
Report No: 247005

We received 23 samples on Friday October 04, 2013 and 23 of these samples were scheduled for analysis which was completed on Wednesday October 23, 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





SDG:	131004-120	Location:	Coed Darcy Urban Village	Order Number:	CD0511
Job:	H_ATKINS_LDC-40	Customer:	Atkins Global Ltd	Report Number:	247005
Client Reference:	Stockpiles	Attention:	Jack Lowrie	Superseded Report:	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8215352	RAMP-1			03/10/2013
8215350	RAMP-2			03/10/2013
8215347	RAMP-3			03/10/2013
8215354	RAMP-4			03/10/2013
8215355	RAMP-5			03/10/2013
8215346	RAMP-6			03/10/2013
8215342	RAMP-7			03/10/2013
8215343	RAMP-8			03/10/2013
8215351	RAMP-9			03/10/2013
8215348	RAMP-10			03/10/2013
8215388	SP97-1			03/10/2013
8215375	SP97-2			03/10/2013
8215371	SP97-3			03/10/2013
8215381	SP97-4			03/10/2013
8215357	SP98-1			03/10/2013
8215378	SP98-2			03/10/2013
8215361	SP98-3			03/10/2013
8215380	SP98-4			03/10/2013
8215376	SP98-5			03/10/2013
8215359	SP98-6			03/10/2013
8215356	SP98-7			03/10/2013
8215363	SP98-8			03/10/2013
8215365	SP98-9			03/10/2013

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



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
	8215381	SP97-4			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215371	SP97-3			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215375	SP97-2			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215388	SP97-1			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215348	RAMP-10			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215351	RAMP-9			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215343	RAMP-8			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215342	RAMP-7			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215346	RAMP-6			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215355	RAMP-5			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215354	RAMP-4			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215347	RAMP-3			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215350	RAMP-2			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
	8215352	RAMP-1			250g Amber Jar (AL 60g VOC (ALE215) 400g Tub (ALE214)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23			
Asbestos Quantification - Full	All	NDPs: 0 Tests: 7			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 23			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 23			
Metals in solid samples by OES	All	NDPs: 0 Tests: 23			
pH	All	NDPs: 0 Tests: 23			
Sample description	All	NDPs: 0 Tests: 23			
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 23			
Total Organic Carbon	All	NDPs: 0 Tests: 23			
TPH CWG GC (S)	All	NDPs: 0 Tests: 23			
VOC MS (S)	All	NDPs: 0 Tests: 23			



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	8215381		SP97-4						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215357		SP98-1						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215378		SP98-2						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215361		SP98-3						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215380		SP98-4						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215376		SP98-5						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215359		SP98-6						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215356		SP98-7						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215363		SP98-8						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
	8215365		SP98-9						60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
									60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
									60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
									60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
									60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar (AL)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 23								
Asbestos Quantification - Full	All	NDPs: 0 Tests: 7								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 23								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 23								
Metals in solid samples by OES	All	NDPs: 0 Tests: 23								
pH	All	NDPs: 0 Tests: 23								
Sample description	All	NDPs: 0 Tests: 23								
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 23								
Total Organic Carbon	All	NDPs: 0 Tests: 23								
TPH CWG GC (S)	All	NDPs: 0 Tests: 23								
VOC MS (S)	All	NDPs: 0 Tests: 23								



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
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
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
8215352	RAMP-1		Dark Brown	Loamy Sand	0.1 - 2 mm	Crushed Brick	Stones
8215350	RAMP-2		Dark Brown	Sand	0.1 - 2 mm	Brick	Stones
8215347	RAMP-3		Dark Brown	Loamy Sand	0.1 - 2 mm	Crushed Brick	Stones
8215354	RAMP-4		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8215355	RAMP-5		Dark Brown	Sand	0.1 - 2 mm	Stones	None
8215346	RAMP-6		Dark Brown	Loamy Sand	0.1 - 2 mm	Crushed Brick	Oil/Petroleum
8215342	RAMP-7		Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
8215343	RAMP-8		Dark Brown	Sand	0.1 - 2 mm	Tile	Stones
8215351	RAMP-9		Dark Brown	Sand	0.1 - 2 mm	Stones	None
8215348	RAMP-10		Light Brown	Sand	0.063 - 0.1 mm	Stones	N/A
8215388	SP97-1		Black	Sandy Silt Loam	0.1 - 2 mm	Stones	N/A
8215375	SP97-2		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	N/A	Stones
8215371	SP97-3		Dark Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
8215381	SP97-4		Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	N/A
8215357	SP98-1		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8215378	SP98-2		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8215361	SP98-3		Dark Brown	Silt Loam	<0.063 mm	Stones	N/A
8215380	SP98-4		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8215376	SP98-5		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
8215359	SP98-6		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8215356	SP98-7		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
8215363	SP98-8		Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Vegetation
8215365	SP98-9		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 occurring 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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Order Number: CD0511
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Order Number: CD0511
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Order Number: CD0511
Report Number: 247005
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	RAMP-1	RAMP-2	RAMP-3	RAMP-4	RAMP-5	RAMP-6
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference						
M	mCERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
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	520	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157	722	<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	1770
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: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R	RAMP-1	RAMP-2	RAMP-3	RAMP-4	RAMP-5	RAMP-6
#	ISO17025 accredited.	m							
M	mCERTS accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013
aq	Aqueous / settled sample.								
dis.filt	Dissolved / filtered sample.								
tot.unfilt	Total / unfiltered sample.								
*	Subcontracted test.								
**	% recovery of the surrogate standard to 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&5@	Sample deviation (see appendix)								
Component	LOD/Units	Method							
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		115	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		324	<100	113	<100	137	156
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		692	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		2300	<100	<100	<100	<100	151
Benzo(a)anthracene	<100 µg/kg	TM157		3070	399	431	452	<100	498
Benzo(b)fluoranthene	<100 µg/kg	TM157		1750	373	509	516	<100	528
Benzo(k)fluoranthene	<100 µg/kg	TM157		1970	308	381	414	<100	386
Benzo(a)pyrene	<100 µg/kg	TM157		2470	393	516	528	<100	508
Benzo(g,h,i)perylene	<100 µg/kg	TM157		1120	224	303	305	<100	306
Chrysene	<100 µg/kg	TM157		2820	463	536	543	121	632
Fluoranthene	<100 µg/kg	TM157		7590	753	745	704	135	920
Fluorene	<100 µg/kg	TM157		868	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		1050	202	275	271	<100	262
Phenanthrene	<100 µg/kg	TM157		7920	407	377	343	139	553
Pyrene	<100 µg/kg	TM157		6050	666	656	631	128	792
Naphthalene	<100 µg/kg	TM157		249	<100	<100	<100	128	121
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		269	<100	<100	<100	<100	<100



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	RAMP-7	RAMP-8	RAMP-9	RAMP-10	SP97-1	SP97-2
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215342	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215343	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215351	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215348	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215388	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215375
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
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	311	<100	<100
Carbazole	<100 µg/kg	TM157	140	<100	<100	534	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	130	<100	<100	135	<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: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R		RAMP-7	RAMP-8	RAMP-9	RAMP-10	SP97-1	SP97-2
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013
aq	Aqueous / settled sample.									
dis.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013
(F)	Trigger breach confirmed				131004-120	131004-120	131004-120	131004-120	131004-120	131004-120
1-4&5@	Sample deviation (see appendix)				8215342	8215343	8215351	8215348	8215388	8215375
Component	LOD/Units	Method								
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	121	139	239	137	154
Acenaphthylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157			167	<100	<100	478	<100	<100
Anthracene	<100 µg/kg	TM157			318	<100	<100	1270	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157			1650	249	330	3100	<100	246
Benzo(b)fluoranthene	<100 µg/kg	TM157			2040	291	343	2270	<100	358
Benzo(k)fluoranthene	<100 µg/kg	TM157			1560	226	266	2290	<100	277
Benzo(a)pyrene	<100 µg/kg	TM157			2090	304	349	2980	<100	313
Benzo(g,h,i)perylene	<100 µg/kg	TM157			1110	220	209	1580	<100	248
Chrysene	<100 µg/kg	TM157			2090	323	432	3210	130	420
Fluoranthene	<100 µg/kg	TM157			2610	395	603	5990	<100	378
Fluorene	<100 µg/kg	TM157			150	<100	<100	491	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			1000	182	184	1430	<100	194
Phenanthrene	<100 µg/kg	TM157			1080	270	314	4720	<100	365
Pyrene	<100 µg/kg	TM157			2320	354	556	5030	182	412
Naphthalene	<100 µg/kg	TM157			230	<100	151	237	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			360	<100	<100	484	<100	<100



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	SP97-3	SP97-4	SP98-1	SP98-2	SP98-3	SP98-4
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215371	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215381	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215357	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215378	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215361	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215380
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
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	836
Carbazole	<100 µg/kg	TM157	<100	<100	<100	<100	<100	234
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	371	<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: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R		SP97-3	SP97-4	SP98-1	SP98-2	SP98-3	SP98-4
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013
(F)	Trigger breach confirmed				131004-120	131004-120	131004-120	131004-120	131004-120	131004-120
1-4&5@	Sample deviation (see appendix)				8215371	8215381	8215357	8215378	8215361	8215380
Component	LOD/Units	Method								
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	226
Acenaphthylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	2150
Anthracene	<100 µg/kg	TM157			<100	<100	<100	196	<100	1890
Benzo(a)anthracene	<100 µg/kg	TM157			<100	<100	162	1790	<100	6580
Benzo(b)fluoranthene	<100 µg/kg	TM157			<100	<100	206	1860	<100	5610
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	<100	135	1600	<100	4330
Benzo(a)pyrene	<100 µg/kg	TM157			<100	<100	178	2090	<100	5270
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	118	1250	<100	2430
Chrysene	<100 µg/kg	TM157			<100	<100	327	1990	<100	6610
Fluoranthene	<100 µg/kg	TM157			<100	<100	258	2920	<100	10400
Fluorene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	1780
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			<100	<100	<100	1210	<100	2500
Phenanthrene	<100 µg/kg	TM157			<100	<100	183	790	<100	6230
Pyrene	<100 µg/kg	TM157			<100	<100	304	2370	<100	7040
Naphthalene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	319	<100	961



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	SP98-5	SP98-6	SP98-7	SP98-8	SP98-9	
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215376	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215359	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215356	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215363	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215365	
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
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	390	<100	<100	
Carbazole	<100 µg/kg	TM157	<100	<100	213	<100	<100	
Butylbenzyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	<100	<100	488	<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: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R		SP98-5	SP98-6	SP98-7	SP98-8	SP98-9	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
M	mCERTS accredited.				03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013	
aq	Aqueous / settled sample.									
dis.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013	
(F)	Trigger breach confirmed				131004-120	131004-120	131004-120	131004-120	131004-120	
1-4&5@	Sample deviation (see appendix)				8215376	8215359	8215356	8215363	8215365	
Component	LOD/Units	Method								
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	283	202	126	
Acenaphthylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	
Acenaphthene	<100 µg/kg	TM157			<100	<100	913	<100	<100	
Anthracene	<100 µg/kg	TM157			<100	<100	717	<100	<100	
Benzo(a)anthracene	<100 µg/kg	TM157			128	<100	1820	450	159	
Benzo(b)fluoranthene	<100 µg/kg	TM157			146	<100	1940	436	166	
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	<100	1300	288	<100	
Benzo(a)pyrene	<100 µg/kg	TM157			144	<100	1880	416	158	
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	1040	249	<100	
Chrysene	<100 µg/kg	TM157			188	168	2190	705	276	
Fluoranthene	<100 µg/kg	TM157			174	<100	3150	416	221	
Fluorene	<100 µg/kg	TM157			<100	<100	792	<100	<100	
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			<100	<100	927	221	<100	
Phenanthrene	<100 µg/kg	TM157			171	120	3070	520	303	
Pyrene	<100 µg/kg	TM157			181	171	2480	657	302	
Naphthalene	<100 µg/kg	TM157			<100	<100	143	<100	<100	
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	356	<100	<100	



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R	RAMP-1	RAMP-2	RAMP-3	RAMP-4	RAMP-5	RAMP-6
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215352	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215350	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215347	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215354	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215355	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215346
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
GRO Surrogate % recovery**	%	TM089	56	54	57	60	76	74
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	707 M	325 M	618 M	808 M	3180 M	1360 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	14.6 M	6.66 M	18.7 M	12.1 M	9.82 M	22.8 M
Ethylbenzene	<3 µg/kg	TM089	3.36 M	7.77 M	4.4 M	<3 M	<3 M	4.35 M
m,p-Xylene	<6 µg/kg	TM089	13.4 M	26.6 M	18.7 M	9.89 M	6.55 M	14.1 M
o-Xylene	<3 µg/kg	TM089	3.36 M	7.77 M	4.4 M	3.3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	16.8	34.4	23.1	13.2	<9	14.1
sum of detected BTEX by GC	<24 µg/kg	TM089	34.8	48.8	46.2	25.3	<24	41.3
Aliphatics >C5-C6	<10 µg/kg	TM089	16.8	11.1	16.5	11	<10	26.1
Aliphatics >C6-C8	<10 µg/kg	TM089	58.2	51.1	58.3	36.3	31.6	93.5
Aliphatics >C8-C10	<10 µg/kg	TM089	96.3	79.9	74.8	67	165	253
Aliphatics >C10-C12	<10 µg/kg	TM089	261	45.5	221	371	1710	463
Aliphatics >C12-C16	<100 µg/kg	TM173	34800	15300	25900	26700	5560	25600
Aliphatics >C16-C21	<100 µg/kg	TM173	73300	38500	57200	68800	30700	53300
Aliphatics >C21-C35	<100 µg/kg	TM173	205000	119000	149000	203000	98600	149000
Aliphatics >C35-C44	<100 µg/kg	TM173	50900	24100	42100	53300	19500	24100
Total Aliphatics >C12-C44	<100 µg/kg	TM173	364000	197000	274000	352000	154000	252000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	14.6	<10	18.7	12.1	<10	22.8
Aromatics >EC8-EC10	<10 µg/kg	TM089	84	95.5	77	60.4	120	190
Aromatics >EC10-EC12	<10 µg/kg	TM089	174	30	147	247	1140	309
Aromatics >EC12-EC16	<100 µg/kg	TM173	10800	8000	8560	9220	1120	9620
Aromatics >EC16-EC21	<100 µg/kg	TM173	41800	28500	36000	40500	10600	35000
Aromatics >EC21-EC35	<100 µg/kg	TM173	154000	111000	138000	139000	66400	122000
Aromatics >EC35-EC44	<100 µg/kg	TM173	85800	48400	73700	63300	35600	62600
Aromatics >EC40-EC44	<100 µg/kg	TM173	39300	21100	31500	26900	15300	27600
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	292000	196000	257000	252000	114000	229000
Total Aliphatics >C5-35	<100 µg/kg	TM173	313000	173000	232000	299000	137000	229000
Total Aromatics >C5-35	<100 µg/kg	TM173	207000	148000	183000	189000	79400	167000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	520000	321000	415000	488000	216000	396000

Order Number: CD0511
Report Number: 247005
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R	RAMP-7	RAMP-8	RAMP-9	RAMP-10	SP97-1	SP97-2
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215342	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215343	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215351	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215348	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215388	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215375
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
GRO Surrogate % recovery**	%	TM089	70	45	65	29	66	95
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	496 M	572 M	864 M	5940 M	9150 M	13700 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<10 µg/kg	TM089	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089	12 M	15.5 M	24.2 M	5.46 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089	<3 M	3.33 M	5.5 M	<3 M	5.7 M	<3 M
m,p-Xylene	<6 µg/kg	TM089	9.81 M	11.1 M	17.6 M	<6 M	10.3 M	<6 M
o-Xylene	<3 µg/kg	TM089	3.27 M	5.55 M	<3 M	<3 M	121 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	13.1	16.7	17.6	<9	131	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	25.1	35.5	47.3	<24	137	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	13.3	23.1	<10	91.2	66.7
Aliphatics >C6-C8	<10 µg/kg	TM089	29.4	37.7	84.6	92.7	1730	1540
Aliphatics >C8-C10	<10 µg/kg	TM089	53.4	57.7	155	1070	1890	3120
Aliphatics >C10-C12	<10 µg/kg	TM089	203	232	266	2430	2430	4140
Aliphatics >C12-C16	<100 µg/kg	TM173	22500	4260	42300	18200	437000	94900
Aliphatics >C16-C21	<100 µg/kg	TM173	58700	27500	69500	38800	390000	161000
Aliphatics >C21-C35	<100 µg/kg	TM173	234000	121000	195000	152000	614000	416000
Aliphatics >C35-C44	<100 µg/kg	TM173	92400	45700	43000	71700	76600	73400
Total Aliphatics >C12-C44	<100 µg/kg	TM173	408000	198000	350000	281000	1520000	745000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	12	15.5	24.2	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	51.2	57.7	129	712	1390	2080
Aromatics >EC10-EC12	<10 µg/kg	TM089	135	154	177	1620	1620	2760
Aromatics >EC12-EC16	<100 µg/kg	TM173	10300	2840	15700	8290	115000	21900
Aromatics >EC16-EC21	<100 µg/kg	TM173	57800	14900	39600	34500	276000	127000
Aromatics >EC21-EC35	<100 µg/kg	TM173	287000	120000	143000	181000	521000	460000
Aromatics >EC35-EC44	<100 µg/kg	TM173	188000	91700	74300	203000	105000	153000
Aromatics >EC40-EC44	<100 µg/kg	TM173	83500	44000	34900	115000	38600	60000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	543000	229000	272000	426000	1020000	762000
Total Aliphatics >C5-35	<100 µg/kg	TM173	316000	153000	307000	213000	1450000	681000
Total Aromatics >C5-35	<100 µg/kg	TM173	355000	138000	198000	226000	916000	614000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	671000	291000	505000	439000	2360000	1290000

Order Number: CD0511
Report Number: 247005
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R	SP97-3		SP97-4		SP98-1		SP98-2		SP98-3		SP98-4	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013
M	mCERTS accredited.													
aq	Aqueous / settled sample.													
diss.filt	Dissolved / filtered sample.													
tot.unfilt	Total / unfiltered sample.													
*	Subcontracted test.													
**	% recovery of the surrogate standard to 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												
GRO Surrogate % recovery**	%	TM089	92	59	37	83	86	75						
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	13200 M	10200 M	35700 M	27200 M	2860 M	30800 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	4.8 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	48.6	20.9	19.7	29.1	<10	17.4						
Aliphatics >C6-C8	<10 µg/kg	TM089	1120	463	647	1070	36	324						
Aliphatics >C8-C10	<10 µg/kg	TM089	3020	2060	7850	7100	378	5900						
Aliphatics >C10-C12	<10 µg/kg	TM089	4220	3740	13200	8560	1310	12400						
Aliphatics >C12-C16	<100 µg/kg	TM173	351000	47100	150000	39000	564000	397000						
Aliphatics >C16-C21	<100 µg/kg	TM173	209000	58100	150000	33500	244000	171000						
Aliphatics >C21-C35	<100 µg/kg	TM173	130000	185000	998000	55900	127000	331000						
Aliphatics >C35-C44	<100 µg/kg	TM173	25300	12200	212000	10500	13700	63800						
Total Aliphatics >C12-C44	<100 µg/kg	TM173	715000	302000	1510000	139000	949000	963000						
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	2010	1380	5230	4740	252	3930						
Aromatics >EC10-EC12	<10 µg/kg	TM089	2810	2500	8770	5700	872	8260						
Aromatics >EC12-EC16	<100 µg/kg	TM173	94400	22800	18100	4390	72700	37700						
Aromatics >EC16-EC21	<100 µg/kg	TM173	142000	45900	84100	31400	132000	85200						
Aromatics >EC21-EC35	<100 µg/kg	TM173	187000	136000	675000	119000	170000	258000						
Aromatics >EC35-EC44	<100 µg/kg	TM173	58400	28000	196000	40100	52500	84500						
Aromatics >EC40-EC44	<100 µg/kg	TM173	21800	10200	77900	14500	19900	34000						
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	482000	232000	973000	195000	427000	465000						
Total Aliphatics >C5-35	<100 µg/kg	TM173	698000	296000	1320000	145000	937000	918000						
Total Aromatics >C5-35	<100 µg/kg	TM173	428000	208000	791000	166000	375000	393000						
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	1130000	504000	2110000	311000	1310000	1310000						

Order Number: CD0511
Report Number: 247005
Superseded Report:

13:35:26 23/10/2013



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

TPH CWG (S)

Results Legend			Customer Sample R		SP98-5	SP98-6	SP98-7	SP98-8	SP98-9	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	
M	mCERTS accredited.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to 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								
GRO Surrogate % recovery**	%	TM089			48	60	65	38	53	
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089			21100 M	6590 M	15600 M	27900 M	11500 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	22.2 M	<10 M	
Toluene	<2 µg/kg	TM089			<2 M	66.1 M	<2 M	<2 M	<2 M	
Ethylbenzene	<3 µg/kg	TM089			<3 M	<3 M	<3 M	<3 M	<3 M	
m,p-Xylene	<6 µg/kg	TM089			<6 M	<6 M	<6 M	<6 M	<6 M	
o-Xylene	<3 µg/kg	TM089			<3 M	<3 M	<3 M	<3 M	<3 M	
sum of detected mpo xylene by GC	<9 µg/kg	TM089			<9	<9	<9	<9	<9	
sum of detected BTEX by GC	<24 µg/kg	TM089			<24	66.1	<24	<24	<24	
Aliphatics >C5-C6	<10 µg/kg	TM089			34.2	22.8	53.1	154	31.9	
Aliphatics >C6-C8	<10 µg/kg	TM089			923	137	1360	3870	998	
Aliphatics >C8-C10	<10 µg/kg	TM089			5260	1130	4510	7880	3240	
Aliphatics >C10-C12	<10 µg/kg	TM089			6850	2690	4000	6440	3050	
Aliphatics >C12-C16	<100 µg/kg	TM173			726000	140000	399000	470000	300000	
Aliphatics >C16-C21	<100 µg/kg	TM173			249000	177000	184000	374000	185000	
Aliphatics >C21-C35	<100 µg/kg	TM173			120000	916000	246000	514000	314000	
Aliphatics >C35-C44	<100 µg/kg	TM173			18200	185000	49500	126000	63900	
Total Aliphatics >C12-C44	<100 µg/kg	TM173			1110000	1420000	879000	1480000	864000	
Aromatics >EC5-EC7	<10 µg/kg	TM089			<10	<10	10.2	22.2	<10	
Aromatics >EC7-EC8	<10 µg/kg	TM089			<10	66.1	<10	<10	<10	
Aromatics >EC8-EC10	<10 µg/kg	TM089			3500	751	3010	5250	2160	
Aromatics >EC10-EC12	<10 µg/kg	TM089			4570	1790	2670	4290	2030	
Aromatics >EC12-EC16	<100 µg/kg	TM173			79300	27100	60600	131000	56100	
Aromatics >EC16-EC21	<100 µg/kg	TM173			131000	124000	111000	297000	119000	
Aromatics >EC21-EC35	<100 µg/kg	TM173			127000	759000	266000	606000	298000	
Aromatics >EC35-EC44	<100 µg/kg	TM173			35100	210000	77700	226000	87500	
Aromatics >EC40-EC44	<100 µg/kg	TM173			13400	82500	30100	87900	35100	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173			373000	1120000	515000	1260000	560000	
Total Aliphatics >C5-35	<100 µg/kg	TM173			1110000	1240000	839000	1380000	807000	
Total Aromatics >C5-35	<100 µg/kg	TM173			346000	913000	443000	1040000	477000	
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173			1450000	2150000	1280000	2420000	1280000	

Order Number: CD0511
Report Number: 247005
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		RAMP-1	RAMP-2	RAMP-3	RAMP-4	RAMP-5	RAMP-6
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013
M	mCERTS accredited.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to 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								
Dibromofluoromethane**	%	TM116			125	114	107	105	112	114
Toluene-d8**	%	TM116			105	102	102	101	102	102
4-Bromofluorobenzene**	%	TM116			106	110	106	100	106	107
Dichlorodifluoromethane	<4 µg/kg	TM116			<80	<80	<80	<8	<80	<80
Chloromethane	<7 µg/kg	TM116			<140	<140	<140	<14	<140	<140
Vinyl Chloride	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
Bromomethane	<13 µg/kg	TM116			<260	<260	<260	<26	<260	<260
Chloroethane	<14 µg/kg	TM116			<280	<280	<280	<28	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116			<120	<120	<120	<12	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
Carbon Disulphide	<7 µg/kg	TM116			<140	<140	<140	<14	<140	<140
Dichloromethane	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116			<220	<220	<220	<22	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116			<220	<220	<220	<22	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116			<160	<160	<160	<16	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116			<100	<100	<100	<10	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116			<240	<240	<240	<24	<240	<240
Bromochloromethane	<14 µg/kg	TM116			<280	<280	<280	<28	<280	<280
Chloroform	<8 µg/kg	TM116			<160	<160	<160	<16	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116			<140	<140	<140	<14	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116			<220	<220	<220	<22	<220	<220
Carbontetrachloride	<14 µg/kg	TM116			<280	<280	<280	<28	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116			<100	<100	<100	<10	<100	<100
Benzene	<9 µg/kg	TM116			<180	231	<180	<18	<180	<180
Trichloroethene	<9 µg/kg	TM116			<180	<180	<180	<18	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116			<240	<240	<240	<24	<240	<240
Dibromomethane	<9 µg/kg	TM116			<180	<180	<180	<18	<180	<180
Bromodichloromethane	<7 µg/kg	TM116			<140	<140	<140	<14	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116			<280	<280	<280	<28	<280	<280
Toluene	<5 µg/kg	TM116			163	332	<100	24.7	<100	<100
trans-1,3-Dichloropropene	<100 µg/kg	TM116			<2000	<2000	<2000	<200	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		RAMP-1	RAMP-2	RAMP-3	RAMP-4	RAMP-5	RAMP-6
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013
M	mCERTS accredited.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to 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&5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<14	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<10	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<26	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<24	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<10	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	11.7	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	421	<280	60.1	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	29.6	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<10	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<34	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<22	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<18	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<16	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<24	<240	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<240	<240	<240	<24	<240	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	279	<180	21.4	<180	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<22	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<12	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<10	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<20	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<24	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloroprop ane	<14 µg/kg	TM116			<280	<280	<280	<28	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<30	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<12	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<24	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<26	<260	<260
					M	M	M	M	M	M

Order Number: CD0511
Report Number: 247005
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		RAMP-7	RAMP-8	RAMP-9	RAMP-10	SP97-1	SP97-2
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013
M	mCERTS accredited.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to 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								
Dibromofluoromethane**	%	TM116			111	116	101	108	106	105
Toluene-d8**	%	TM116			99.3	104	97.1	102	103	101
4-Bromofluorobenzene**	%	TM116			99.9	106	121	106	102	105
Dichlorodifluoromethane	<4 µg/kg	TM116			<80	<80	<8	<80	<80	<80
Chloromethane	<7 µg/kg	TM116			<140	<140	<14	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
Bromomethane	<13 µg/kg	TM116			<260	<260	<26	<260	<260	<260
Chloroethane	<14 µg/kg	TM116			<280	<280	<28	<280	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116			<120	<120	<12	<120	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
Carbon Disulphide	<7 µg/kg	TM116			<140	<140	<14	<140	<140	<140
Dichloromethane	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116			<220	<220	<22	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116			<220	<220	<22	<220	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116			<160	<160	<16	<160	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116			<100	<100	<10	<100	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116			<240	<240	<24	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116			<280	<280	<28	<280	<280	<280
Chloroform	<8 µg/kg	TM116			<160	<160	<16	<160	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116			<140	<140	<14	<140	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116			<220	<220	<22	<220	<220	<220
Carbontetrachloride	<14 µg/kg	TM116			<280	<280	<28	<280	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116			<100	<100	<10	<100	1390	<100
Benzene	<9 µg/kg	TM116			<180	<180	<18	<180	<180	<180
Trichloroethene	<9 µg/kg	TM116			<180	<180	<18	<180	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116			<240	<240	<24	<240	<240	<240
Dibromomethane	<9 µg/kg	TM116			<180	<180	<18	<180	<180	<180
Bromodichloromethane	<7 µg/kg	TM116			<140	<140	<14	<140	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116			<280	<280	<28	<280	<280	<280
Toluene	<5 µg/kg	TM116			<100	148	44.8	<100	<100	<100
trans-1,3-Dichloropropene	<100 µg/kg	TM116			<2000	<2000	<200	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		RAMP-7	RAMP-8	RAMP-9	RAMP-10	SP97-1	SP97-2
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013
**	% 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				131004-120	131004-120	131004-120	131004-120	131004-120	131004-120
(F)	Trigger breach confirmed				8215342	8215343	8215351	8215348	8215388	8215375
1-4&5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<14	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<10	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<26	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<24	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<10	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<8	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	35.3	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<10	<100	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<34	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<22	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<18	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<16	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<24	<240	<240	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<240	<240	<24	<240	<240	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	<180	22.9	<180	<180	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<22	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<12	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<10	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<20	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<24	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloroprop ane	<14 µg/kg	TM116			<280	<280	<28	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<30	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<12	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<24	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<26	<260	<260	<260
					M	M	M	M	M	M

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

[illegible]



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		SP97-3	SP97-4	SP98-1	SP98-2	SP98-3	SP98-4
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013	Soil/Solid 03/10/2013
M	mCERTS accredited.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to 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								
Dibromofluoromethane**	%	TM116			110	112	103	109	107	104
Toluene-d8**	%	TM116			102	102	102	102	97.8	102
4-Bromofluorobenzene**	%	TM116			103	107	111	107	130	109
Dichlorodifluoromethane	<4 µg/kg	TM116			<80	<80	<80	<80	<4	<80
Chloromethane	<7 µg/kg	TM116			<140	<140	<140	<140	<7	<140
Vinyl Chloride	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
Bromomethane	<13 µg/kg	TM116			<260	<260	<260	<260	<13	<260
Chloroethane	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<280
Trichlorofluoromethane	<6 µg/kg	TM116			<120	<120	<120	<120	<6	<120
1,1-Dichloroethene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
Carbon Disulphide	<7 µg/kg	TM116			<140	<140	171	<140	<7	<140
Dichloromethane	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<220
1,1-Dichloroethane	<8 µg/kg	TM116			<160	<160	<160	<160	<8	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
2,2-Dichloropropane	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
Bromochloromethane	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<280
Chloroform	<8 µg/kg	TM116			<160	<160	<160	<160	<8	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116			<140	<140	<140	<140	<7	<140
1,1-Dichloropropene	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<220
Carbontetrachloride	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<280
1,2-Dichloroethane	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
Benzene	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<180
Trichloroethene	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<180
1,2-Dichloropropane	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
Dibromomethane	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<180
Bromodichloromethane	<7 µg/kg	TM116			<140	<140	<140	<140	<7	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<280
Toluene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
trans-1,3-Dichloropropene	<100 µg/kg	TM116			<2000	<2000	<2000	<2000	<100	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		SP97-3	SP97-4	SP98-1	SP98-2	SP98-3	SP98-4
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013
**	% 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				131004-120	131004-120	131004-120	131004-120	131004-120	131004-120
(F)	Trigger breach confirmed				8215371	8215381	8215357	8215378	8215361	8215380
1-4&5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<7	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<13	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<4	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<17	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<8	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<6	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloroprop ane	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<15	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<6	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<13	<260
					M	M	M	M	M	M

Order Number: CD0511
Report Number: 247005
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

Results Legend		Customer Sample R	SP98-5	SP98-6	SP98-7	SP98-8	SP98-9	
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215376	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215359	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215356	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215363	Soil/Solid 03/10/2013 04/10/2013 131004-120 8215365	
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
Dibromofluoromethane**	%	TM116	109	108	113	112	111	
Toluene-d8**	%	TM116	101	103	102	102	102	
4-Bromofluorobenzene**	%	TM116	108	104	118	111	110	
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	
Trichlorofluoromethane	<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	143 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: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		SP98-5	SP98-6	SP98-7	SP98-8	SP98-9	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
M	mCERTS accredited.				03/10/2013	03/10/2013	03/10/2013	03/10/2013	03/10/2013	
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed				04/10/2013	04/10/2013	04/10/2013	04/10/2013	04/10/2013	
1-4&5@	Sample deviation (see appendix)				131004-120	131004-120	131004-120	131004-120	131004-120	
					8215376	8215359	8215356	8215363	8215365	
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	
					#	#	#	#	#	
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	
					M	M	M	M	M	
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	
					M	M	M	M	M	
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	
					M	M	M	M	M	
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	
					M	M	M	M	M	
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	
					M	M	M	M	M	
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	
					#	#	#	#	#	
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	
					M	M	M	M	M	
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					#	#	#	#	#	
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	
					M	M	M	M	M	
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	
					M	M	M	M	M	
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	
					M	M	M	M	M	
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	
					#	#	#	#	#	
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	
					M	M	M	M	M	
tert-Butylbenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	
					#	#	#	#	#	
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	<180	<180	286	<180	
					#	#	#	#	#	
sec-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	
					M	M	M	M	M	
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	
					M	M	M	M	M	
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	
					M	M	M	M	M	
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	
					M	M	M	M	M	
1,2-Dibromo-3-chloroprop ane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	
					M	M	M	M	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	<260	<260	<260	<260	
					M	M	M	M	M	

Order Number: CD0511
Report Number: 247005
Superseded Report:

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SDG:	131004-120	Location:	Coed Darcy Urban Village	Order Number:	CD0511
Job:	H_ATKINS_LDC-40	Customer:	Atkins Global Ltd	Report Number:	247005
Client Reference:	Stockpiles	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 Received SDG Original Sample Method Number	RAMP-1 SOLID 03/10/2013 00:00:00 131004-120 8215352 TM048	09/10/13	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 Received SDG Original Sample Method Number	RAMP-2 SOLID 03/10/2013 00:00:00 131004-120 8215350 TM048	09/10/13	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 Received SDG Original Sample Method Number	RAMP-3 SOLID 03/10/2013 00:00:00 131004-120 8215347 TM048	09/10/13	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 Received SDG Original Sample Method Number	RAMP-4 SOLID 03/10/2013 00:00:00 131004-120 8215354 TM048	09/10/13	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 Received SDG Original Sample Method Number	RAMP-5 SOLID 03/10/2013 00:00:00 131004-120 8215355 TM048	09/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
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 Received SDG Original Sample Method Number	RAMP-6 SOLID 03/10/2013 00:00:00 131004-120 8215346 TM048	09/10/13	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 Received SDG Original Sample Method Number	RAMP-7 SOLID 03/10/2013 00:00:00 131004-120 8215342 TM048	09/10/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	RAMP-8 SOLID 03/10/2013 00:00:00 131004-120 8215343 TM048	09/10/13	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	RAMP-9 SOLID 03/10/2013 00:00:00 131004-120 8215351 TM048	09/10/13	Kevin Bowron	Soil containing loose fibres & 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 Received SDG Original Sample Method Number	RAMP-10 SOLID 03/10/2013 00:00:00 131004-120 8215348 TM048	09/10/13	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 Received SDG Original Sample Method Number	SP97-1 SOLID 03/10/2013 00:00:00 131004-120 8215388 TM048	09/10/13	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
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 Received SDG Original Sample Method Number	SP97-2 SOLID 03/10/2013 00:00:00 131004-120 8215375 TM048	09/10/13	Kevin Bowron	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP97-3 SOLID 03/10/2013 00:00:00 131004-120 8215371 TM048	09/10/13	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 Received SDG Original Sample Method Number	SP97-4 SOLID 03/10/2013 00:00:00 131004-120 8215381 TM048	09/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP98-1 SOLID 03/10/2013 00:00:00 131004-120 8215357 TM048	09/10/13	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 Received SDG Original Sample Method Number	SP98-2 SOLID 03/10/2013 00:00:00 131004-120 8215378 TM048	09/10/13	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 Received SDG Original Sample Method Number	SP98-3 SOLID 03/10/2013 00:00:00 131004-120 8215361 TM048	09/10/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
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 Received SDG Original Sample Method Number	SP98-4 SOLID 03/10/2013 00:00:00 131004-120 8215380 TM048	09/10/13	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 Received SDG Original Sample Method Number	SP98-5 SOLID 03/10/2013 00:00:00 131004-120 8215376 TM048	09/10/13	Kevin Bowron	Soil containing loose fibres & 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 Received SDG Original Sample Method Number	SP98-6 SOLID 03/10/2013 00:00:00 131004-120 8215359 TM048	09/10/13	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 Received SDG Original Sample Method Number	SP98-7 SOLID 03/10/2013 00:00:00 131004-120 8215356 TM048	09/10/13	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 Received SDG Original Sample Method Number	SP98-8 SOLID 03/10/2013 00:00:00 131004-120 8215363 TM048	09/10/13	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP98-9 SOLID 03/10/2013 00:00:00 131004-120 8215365 TM048	09/10/13	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
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 Received SDG Original Sample Method Number	RAMP-4 SOLID 03/10/2013 00:00:00 131004-120 8215354 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	RAMP-6 SOLID 03/10/2013 00:00:00 131004-120 8215346 TM 304	None (#)	Amphibole fibres sound during PCM analysis.	0.0037 (#)	<0.001 (#)	0.0046 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	RAMP-8 SOLID 03/10/2013 00:00:00 131004-120 8215343 TM 304	Amosite (loose fibres in soil.) (#)	N/C	0.0014 (#)	0.0023 (#)	0.0037 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP97-4 SOLID 03/10/2013 00:00:00 131004-120 8215381 TM 304	None (#)	Fibres found during gravimetric analysis, but below LOQ.	<0.001 (#)	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP98-5 SOLID 03/10/2013 00:00:00 131004-120 8215376 TM 304	None (#)	Amphibole fibres found during PCM analysis.	<0.001 (#)	<0.001 (#)	0.0013 (#)



CERTIFICATE OF ANALYSIS

SDG: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
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 Received SDG Original Sample Method Number	SP98-7 SOLID 03/10/2013 00:00:00 131004-120 8215356 TM 304	None (#)	N/C	0.0023 (#)	0.0012 (#)	0.0035 (#)
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP98-8 SOLID 03/10/2013 00:00:00 131004-120 8215363 TM 304	None (#)	N/C	<0.001 (#)	<0.001 (#)	0.0013 (#)



SDG:	131004-120	Location:	Coed Darcy Urban Village	Order Number:	CD0511
Job:	H_ATKINS_LDC-40	Customer:	Atkins Global Ltd	Report Number:	247005
Client Reference:	Stockpiles	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: 131004-120
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0511
Report Number: 247005
Superseded Report:

Test Completion Dates

Lab Sample No(s)	8215352	8215350	8215347	8215354	8215355	8215346	8215342	8215343	8215351	8215348
Customer Sample Ref.	RAMP-1	RAMP-2	RAMP-3	RAMP-4	RAMP-5	RAMP-6	RAMP-7	RAMP-8	RAMP-9	RAMP-10
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013
Asbestos Quantification - Full				23-Oct-2013		23-Oct-2013		23-Oct-2013		
EPH CWG (Aliphatic) GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013
EPH CWG (Aromatic) GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013
GRO by GC-FID (S)	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013
Metals in solid samples by OES	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	10-Oct-2013	14-Oct-2013	11-Oct-2013	14-Oct-2013	14-Oct-2013	10-Oct-2013
pH	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013
Sample description	08-Oct-2013	07-Oct-2013	08-Oct-2013	07-Oct-2013	07-Oct-2013	08-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013
Semi Volatile Organic Compounds	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013
Total Organic Carbon	11-Oct-2013	14-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	14-Oct-2013	11-Oct-2013	14-Oct-2013	14-Oct-2013	11-Oct-2013
TPH CWG GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013
VOC MS (S)	11-Oct-2013	11-Oct-2013	10-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	10-Oct-2013

Lab Sample No(s)	8215388	8215375	8215371	8215381	8215357	8215378	8215361	8215380	8215376	8215359
Customer Sample Ref.	SP97-1	SP97-2	SP97-3	SP97-4	SP98-1	SP98-2	SP98-3	SP98-4	SP98-5	SP98-6
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013
Asbestos Quantification - Full				23-Oct-2013					23-Oct-2013	
EPH CWG (Aliphatic) GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013
EPH CWG (Aromatic) GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013
GRO by GC-FID (S)	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	10-Oct-2013	09-Oct-2013
Metals in solid samples by OES	10-Oct-2013	14-Oct-2013	11-Oct-2013	10-Oct-2013	11-Oct-2013	14-Oct-2013	10-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013
pH	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	10-Oct-2013	11-Oct-2013	11-Oct-2013
Sample description	07-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013	07-Oct-2013
Semi Volatile Organic Compounds	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013
Total Organic Carbon	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	14-Oct-2013	11-Oct-2013	11-Oct-2013	14-Oct-2013	14-Oct-2013
TPH CWG GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013
VOC MS (S)	10-Oct-2013	10-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	08-Oct-2013	10-Oct-2013	11-Oct-2013	10-Oct-2013

Lab Sample No(s)	8215356	8215363	8215365
Customer Sample Ref.	SP98-7	SP98-8	SP98-9
AGS Ref.			
Depth			
Type	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	09-Oct-2013	09-Oct-2013	09-Oct-2013
Asbestos Quantification - Full	23-Oct-2013	23-Oct-2013	
EPH CWG (Aliphatic) GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013
EPH CWG (Aromatic) GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013
GRO by GC-FID (S)	09-Oct-2013	09-Oct-2013	09-Oct-2013
Metals in solid samples by OES	14-Oct-2013	14-Oct-2013	10-Oct-2013
pH	11-Oct-2013	11-Oct-2013	10-Oct-2013
Sample description	07-Oct-2013	07-Oct-2013	07-Oct-2013
Semi Volatile Organic Compounds	09-Oct-2013	09-Oct-2013	09-Oct-2013
Total Organic Carbon	14-Oct-2013	11-Oct-2013	11-Oct-2013
TPH CWG GC (S)	10-Oct-2013	10-Oct-2013	10-Oct-2013
VOC MS (S)	11-Oct-2013	11-Oct-2013	11-Oct-2013



SDG:	131004-120	Location:	Coed Darcy Urban Village	Order Number:	CD0511
Job:	H_ATKINS_LDC-40	Customer:	Atkins Global Ltd	Report Number:	247005
Client Reference:	Stockpiles	Attention:	Jack Lowrie	Superseded Report:	

Appendix General

1. Results are expressed on a dry weight basis (dried at 35°C) 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 Dimethylphenol, 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.



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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

Date: 15 October 2013
Customer: H_ATKINS_LDC
Sample Delivery Group (SDG): 131009-62
Your Reference: Stockpiles
Location: Coed Darcy Urban Village
Report No: 245844

We received 23 samples on Wednesday October 09, 2013 and 23 of these samples were scheduled for analysis which was completed on Tuesday October 15, 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





SDG:	131009-62	Location:	Coed Darcy Urban Village	Order Number:	CD0514
Job:	H_ATKINS_LDC-40	Customer:	Atkins Global Ltd	Report Number:	245844
Client Reference:	Stockpiles	Attention:	Jack Lowrie	Superseded Report:	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8239269	SP97-5			08/10/2013
8239270	SP97-6			08/10/2013
8239271	SP97-7			08/10/2013
8239272	SP97-8			08/10/2013
8239273	SP97-9			08/10/2013
8239283	SP101-1			08/10/2013
8239284	SP101-2			08/10/2013
8239285	SP101-3			08/10/2013
8239286	SP101-4			08/10/2013
8239288	SP101-5			08/10/2013
8239293	SP101-6			08/10/2013
8239295	SP101-7			08/10/2013
8239296	SP101-8			08/10/2013
8239297	SP101-9			08/10/2013
8239274	SP97-10			08/10/2013
8239275	SP97-11			08/10/2013
8239277	SP97-12			08/10/2013
8239278	SP98-10			08/10/2013
8239279	SP98-11			08/10/2013
8239280	SP98-12			08/10/2013
8239298	SP101-10			08/10/2013
8239300	SP101-11			08/10/2013
8239301	SP101-12			08/10/2013

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



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	8239297		SP101-9						400g Tub (ALE214)	
	8239296		SP101-8						250g Amber Jar (AL)	
	8239295		SP101-7						400g Tub (ALE214)	
	8239293		SP101-6						250g Amber Jar (AL)	
Asbestos ID in Solid Samples	8239288		SP101-5						400g Tub (ALE214)	
	8239286		SP101-4						250g Amber Jar (AL)	
	8239285		SP101-3						400g Tub (ALE214)	
	8239284		SP101-2						60g VOC (ALE215)	
	8239283		SP101-1						400g Tub (ALE214)	
	8239273		SP97-9						250g Amber Jar (AL)	
	8239272		SP97-8						60g VOC (ALE215)	
	8239271		SP97-7						400g Tub (ALE214)	
	8239270		SP97-6						250g Amber Jar (AL)	
	8239269		SP97-5						400g Tub (ALE214)	
									250g Amber Jar (AL)	
									400g Tub (ALE214)	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar (AL)	
									400g Tub (ALE214)	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar (AL)	
									400g Tub (ALE214)	
									60g VOC (ALE215)	
									400g Tub (ALE214)	
									250g Amber Jar (AL)	
									400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 23								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 23								
Metals in solid samples by OES	All	NDPs: 0 Tests: 23								
pH	All	NDPs: 0 Tests: 23								
Sample description	All	NDPs: 0 Tests: 23								
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 23								
Total Organic Carbon	All	NDPs: 0 Tests: 23								
TPH CWG GC (S)	All	NDPs: 0 Tests: 23								
VOC MS (S)	All	NDPs: 0 Tests: 23								

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
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
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
8239269	SP97-5		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Tile	Stones
8239270	SP97-6		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8239271	SP97-7		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8239272	SP97-8		Grey	Loamy Sand	0.1 - 2 mm	Tile	None
8239273	SP97-9		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8239283	SP101-1		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8239284	SP101-2		Black	Sand	0.1 - 2 mm	None	None
8239285	SP101-3		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
8239286	SP101-4		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8239288	SP101-5		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8239293	SP101-6		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8239295	SP101-7		Black	Sand	0.1 - 2 mm	Stones	None
8239296	SP101-8		Black	Loamy Sand	0.1 - 2 mm	Stones	None
8239297	SP101-9		Black	Sandy Loam	0.1 - 2 mm	Tile	None
8239274	SP97-10		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8239275	SP97-11		Black	Sand	0.1 - 2 mm	None	None
8239277	SP97-12		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8239278	SP98-10		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8239279	SP98-11		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8239280	SP98-12		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	N/A	Stones
8239298	SP101-10		Black	Sandy Loam	0.1 - 2 mm	Stones	None
8239300	SP101-11		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8239301	SP101-12		Black	Sandy Silt 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 occurring 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: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Results Legend		Customer Sample R Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	SP97-5 Soil/Solid 08/10/2013 09/10/2013 131009-62 8239269	SP97-6 Soil/Solid 08/10/2013 09/10/2013 131009-62 8239270	SP97-7 Soil/Solid 08/10/2013 09/10/2013 131009-62 8239271	SP97-8 Soil/Solid 08/10/2013 09/10/2013 131009-62 8239272	SP97-9 Soil/Solid 08/10/2013 09/10/2013 131009-62 8239273	SP101-1 Soil/Solid 08/10/2013 09/10/2013 131009-62 8239283
#	ISO17025 accredited.							
M	mCERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
Soil Organic Matter (SOM)	<0.35 %	TM132	2.19	2.33	3.53	3.76	2.43	3.19
			#	#	#	#	#	#
pH	1 pH Units	TM133	8.77	9.82	7.86	8.63	9.16	7.64
			M	M	M	M	M	M
Arsenic	<0.6 mg/kg	TM181	21.1	25	31.4	48.5	16.7	14.3
			M	M	M	M	M	M
Cadmium	<0.02 mg/kg	TM181	0.289	0.526	0.495	1.61	0.351	0.199
			M	M	M	M	M	M
Chromium	<0.9 mg/kg	TM181	12.9	12.7	11.9	14.2	19.3	16.2
			M	M	M	M	M	M
Copper	<1.4 mg/kg	TM181	56.6	58.2	65.8	373	41.6	33.2
			M	M	M	M	M	M
Lead	<0.7 mg/kg	TM181	137	148	174	380	124	61.6
			M	M	M	M	M	M
Mercury	<0.14 mg/kg	TM181	<0.14	<0.14	0.287	<0.14	0.151	0.148
			M	M	M	M	M	M
Nickel	<0.2 mg/kg	TM181	22.4	23	16.3	29.3	16.1	30.9
			M	M	M	M	M	M
Selenium	<1 mg/kg	TM181	<1	<1	<1	<1	1.26	<1
			#	#	#	#	#	#
Vanadium	<0.2 mg/kg	TM181	15.6	14.8	15.7	17.3	24.3	15.1
			#	#	#	#	#	#
Zinc	<1.9 mg/kg	TM181	404	402	291	17.6	207	167
			M	M	M	M	M	M

Order Number: CD0514
Report Number: 245844
Superseded Report:

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Order Number: CD0514
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Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	SP97-5	SP97-6	SP97-7	SP97-8	SP97-9	SP101-1
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239269	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239270	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239271	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239272	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239273	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239283
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
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	255	<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: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R		SP97-5	SP97-6	SP97-7	SP97-8	SP97-9	SP101-1
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013
aq	Aqueous / settled sample.									
dis.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
(F)	Trigger breach confirmed				131009-62	131009-62	131009-62	131009-62	131009-62	131009-62
1-4&5@	Sample deviation (see appendix)				8239269	8239270	8239271	8239272	8239273	8239283
Component	LOD/Units	Method								
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			149	150	128	131	115	166
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	117	<100
Benzo(a)anthracene	<100 µg/kg	TM157			234	155	163	<100	461	130
Benzo(b)fluoranthene	<100 µg/kg	TM157			263	195	157	116	441	140
Benzo(k)fluoranthene	<100 µg/kg	TM157			192	115	145	<100	409	<100
Benzo(a)pyrene	<100 µg/kg	TM157			255	171	160	124	453	136
Benzo(g,h,i)perylene	<100 µg/kg	TM157			150	<100	<100	<100	300	<100
Chrysene	<100 µg/kg	TM157			329	231	289	186	669	224
Fluoranthene	<100 µg/kg	TM157			312	161	285	145	1210	279
Fluorene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			135	<100	<100	<100	261	<100
Phenanthrene	<100 µg/kg	TM157			137	166	231	152	669	234
Pyrene	<100 µg/kg	TM157			286	210	336	208	981	262
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: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	SP101-2	SP101-3	SP101-4	SP101-5	SP101-6	SP101-7
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.		08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
(F)	Trigger breach confirmed		131009-62	131009-62	131009-62	131009-62	131009-62	131009-62
1-4&*\$@	Sample deviation (see appendix)		8239284	8239285	8239286	8239288	8239293	8239295
Component	LOD/Units	Method						
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	21700	<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: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R		SP101-2	SP101-3	SP101-4	SP101-5	SP101-6	SP101-7
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013
aq	Aqueous / settled sample.									
dis.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
(F)	Trigger breach confirmed				131009-62	131009-62	131009-62	131009-62	131009-62	131009-62
1-4&5@	Sample deviation (see appendix)				8239284	8239285	8239286	8239288	8239293	8239295
Component	LOD/Units	Method								
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			141	183	160	138	<100	187
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	165
Benzo(a)anthracene	<100 µg/kg	TM157			<100	162	<100	216	<100	386
Benzo(b)fluoranthene	<100 µg/kg	TM157			<100	126	<100	229	<100	338
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	119	<100	201	<100	294
Benzo(a)pyrene	<100 µg/kg	TM157			127	166	<100	268	<100	455
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	<100	178	<100	255
Chrysene	<100 µg/kg	TM157			167	215	<100	318	<100	543
Fluoranthene	<100 µg/kg	TM157			<100	363	<100	297	<100	674
Fluorene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	123
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			<100	<100	<100	156	<100	212
Phenanthrene	<100 µg/kg	TM157			<100	285	140	253	<100	869
Pyrene	<100 µg/kg	TM157			150	318	129	355	<100	786
Naphthalene	<100 µg/kg	TM157			<100	140	119	<100	<100	113
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	SP101-8	SP101-9	SP97-10	SP97-11	SP97-12	SP98-10
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference						
M	mCERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
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	272	<100	<100
Carbazole	<100 µg/kg	TM157	<100	<100	<100	137	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	<100	<100	135	<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: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R		SP101-8	SP101-9	SP97-10	SP97-11	SP97-12	SP98-10
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013
aq	Aqueous / settled sample.									
dis.s.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013
(F)	Trigger breach confirmed				131009-62	131009-62	131009-62	131009-62	131009-62	131009-62
1-4&5@	Sample deviation (see appendix)				8239296	8239297	8239274	8239275	8239277	8239278
Component	LOD/Units	Method								
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			161	179	259	841	214	<100
Acenaphthylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157			<100	<100	<100	163	<100	<100
Anthracene	<100 µg/kg	TM157			<100	<100	<100	132	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157			193	130	224	264	168	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157			216	<100	183	164	180	124
Benzo(k)fluoranthene	<100 µg/kg	TM157			179	<100	145	173	131	<100
Benzo(a)pyrene	<100 µg/kg	TM157			251	<100	213	216	164	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157			161	<100	122	<100	<100	<100
Chrysene	<100 µg/kg	TM157			293	216	559	396	206	174
Fluoranthene	<100 µg/kg	TM157			244	197	467	428	261	193
Fluorene	<100 µg/kg	TM157			<100	<100	145	317	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			138	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157			182	294	623	597	195	172
Pyrene	<100 µg/kg	TM157			255	271	619	496	249	200
Naphthalene	<100 µg/kg	TM157			<100	159	145	675	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Semi Volatile Organic Compounds

Results Legend		Customer Sample R	SP98-11	SP98-12	SP101-10	SP101-11	SP101-12	
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239279	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239280	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239298	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239300	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239301	
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
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: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Semi Volatile Organic Compounds

Results Legend			Customer Sample R		SP98-11	SP98-12	SP101-10	SP101-11	SP101-12	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
M	mCERTS accredited.				08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	
aq	Aqueous / settled sample.									
dis.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	
(F)	Trigger breach confirmed				131009-62	131009-62	131009-62	131009-62	131009-62	
1-4&5@	Sample deviation (see appendix)				8239279	8239280	8239298	8239300	8239301	
Component	LOD/Units	Method								
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	229	137	<100	135	
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			217	169	<100	<100	<100	
Benzo(b)fluoranthene	<100 µg/kg	TM157			179	125	<100	<100	<100	
Benzo(k)fluoranthene	<100 µg/kg	TM157			160	<100	<100	<100	<100	
Benzo(a)pyrene	<100 µg/kg	TM157			233	131	<100	<100	<100	
Benzo(g,h,i)perylene	<100 µg/kg	TM157			133	<100	<100	<100	<100	
Chrysene	<100 µg/kg	TM157			377	272	<100	<100	126	
Fluoranthene	<100 µg/kg	TM157			322	236	<100	<100	153	
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			254	466	126	118	205	
Pyrene	<100 µg/kg	TM157			411	310	148	<100	165	
Naphthalene	<100 µg/kg	TM157			<100	123	<100	<100	118	
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	SP97-5		SP97-6		SP97-7		SP97-8		SP97-9		SP101-1	
#	ISO17025 accredited.		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid	
M	mCERTS accredited.		08/10/2013		08/10/2013		08/10/2013		08/10/2013		08/10/2013		08/10/2013	
aq	Aqueous / settled sample.													
diss.filt	Dissolved / filtered sample.													
tot.unfilt	Total / unfiltered sample.													
+	% recontracted test.													
**	% recovery of the surrogate standard to 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											
GRO Surrogate % recovery**		%	TM089	93		70		79		52		80		
GRO TOT (Moisture Corrected)		<44 µg/kg	TM089	6630		21100		2770		13900		5390		
Methyl tertiary butyl ether (MTBE)		<5 µg/kg	TM089	<5		<5		<5		<5		<5		
Benzene		<10 µg/kg	TM089	<10		32.8		<10		11.6		<10		
Toluene		<2 µg/kg	TM089	<2		<2		<2		<2		3.39		
Ethylbenzene		<3 µg/kg	TM089	<3		<3		<3		<3		<3		
m,p-Xylene		<6 µg/kg	TM089	<6		<6		<6		<6		<6		
o-Xylene		<3 µg/kg	TM089	<3		<3		<3		<3		<3		
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		32.8		<24		<24		<24		
Aliphatics >C5-C6		<10 µg/kg	TM089	13.4		312		<10		122		62.7		
Aliphatics >C6-C8		<10 µg/kg	TM089	336		5060		88.6		2760		1120		
Aliphatics >C8-C10		<10 µg/kg	TM089	1630		4890		493		3570		1230		
Aliphatics >C10-C12		<10 µg/kg	TM089	2140		4510		1110		3020		1280		
Aliphatics >C12-C16		<100 µg/kg	TM173	439000		336000		124000		239000		305000		
Aliphatics >C16-C21		<100 µg/kg	TM173	330000		339000		317000		302000		560000		
Aliphatics >C21-C35		<100 µg/kg	TM173	200000		422000		1250000		475000		1270000		
Aliphatics >C35-C44		<100 µg/kg	TM173	31800		53200		233000		82600		170000		
Total Aliphatics >C12-C44		<100 µg/kg	TM173	1000000		1150000		1920000		1100000		2300000		
Aromatics >EC5-EC7		<10 µg/kg	TM089	<10		32.8		<10		11.6		<10		
Aromatics >EC7-EC8		<10 µg/kg	TM089	<10		<10		<10		<10		<10		
Aromatics >EC8-EC10		<10 µg/kg	TM089	1090		3260		329		2380		823		
Aromatics >EC10-EC12		<10 µg/kg	TM089	1420		3010		742		2010		855		
Aromatics >EC12-EC16		<100 µg/kg	TM173	106000		94000		71500		54600		132000		
Aromatics >EC16-EC21		<100 µg/kg	TM173	240000		213000		238000		211000		335000		
Aromatics >EC21-EC35		<100 µg/kg	TM173	393000		378000		889000		497000		721000		
Aromatics >EC35-EC44		<100 µg/kg	TM173	86100		105000		254000		105000		140000		
Aromatics >EC40-EC44		<100 µg/kg	TM173	27100		36100		102000		33600		49400		
Total Aromatics >EC12-EC44		<100 µg/kg	TM173	825000		790000		1450000		867000		1330000		
Total Aliphatics >C5-35		<100 µg/kg	TM173	973000		1110000		1690000		1030000		2140000		
Total Aromatics >C5-35		<100 µg/kg	TM173	742000		691000		1200000		767000		1190000		
Total Aliphatics & Aromatics >C5-35		<100 µg/kg	TM173	1720000		1800000		2890000		1790000		3330000		

Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

TPH CWG (S)

Results Legend			Customer Sample R	SP101-2		SP101-3		SP101-4		SP101-5		SP101-6		SP101-7		
#	ISO17025 accredited.			Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid	
M	mCERTS accredited.				08/10/2013		08/10/2013		08/10/2013		08/10/2013		08/10/2013		08/10/2013	
aq	Aqueous / settled sample.				09/10/2013		09/10/2013		09/10/2013		09/10/2013		09/10/2013		09/10/2013	
diss.filt	Dissolved / filtered sample.				131009-62		131009-62		131009-62		131009-62		131009-62		131009-62	
tot.unfilt	Total / unfiltered sample.				8239284		8239285		8239286		8239288		8239293		8239295	
*	Subcontracted test.															
**	% recovery of the surrogate standard to 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												
GRO Surrogate % recovery**			%	TM089	94		75		121		85		121			
GRO TOT (Moisture Corrected)			<44 µg/kg	TM089	20700M		15500M		33200M		10000M		37600M			
Methyl tertiary butyl ether (MTBE)			<5 µg/kg	TM089	<5M		<5M		<5M		<5M		<5M			
Benzene			<10 µg/kg	TM089	31.1M		12.8M		39.9M		<10M		23.7M			
Toluene			<2 µg/kg	TM089	<2M		<2M		<2M		<2M		<2M			
Ethylbenzene			<3 µg/kg	TM089	<3M		<3M		<3M		<3M		<3M			
m,p-Xylene			<6 µg/kg	TM089	<6M		<6M		<6M		<6M		<6M			
o-Xylene			<3 µg/kg	TM089	<3M		<3M		<3M		<3M		<3M			
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	31.1		<24		39.9		<24		<24			
Aliphatics >C5-C6			<10 µg/kg	TM089	104		31.3		179		15.7		229			
Aliphatics >C6-C8			<10 µg/kg	TM089	4470		2270		7390		1390		6350			
Aliphatics >C8-C10			<10 µg/kg	TM089	5510		4290		9180		3050		9860			
Aliphatics >C10-C12			<10 µg/kg	TM089	4130		3610		6170		2130		8740			
Aliphatics >C12-C16			<100 µg/kg	TM173	72700		197000		223000		74400		60100			
Aliphatics >C16-C21			<100 µg/kg	TM173	59800		112000		136000		93600		55100			
Aliphatics >C21-C35			<100 µg/kg	TM173	106000		136000		150000		272000		68800			
Aliphatics >C35-C44			<100 µg/kg	TM173	26100		32900		37000		95300		<100			
Total Aliphatics >C12-C44			<100 µg/kg	TM173	265000		478000		546000		535000		184000			
Aromatics >EC5-EC7			<10 µg/kg	TM089	31.1		12.8		39.9		<10		23.7			
Aromatics >EC7-EC8			<10 µg/kg	TM089	<10		<10		<10		<10		<10			
Aromatics >EC8-EC10			<10 µg/kg	TM089	3670		2860		6120		2040		6570			
Aromatics >EC10-EC12			<10 µg/kg	TM089	2750		2410		4120		1420		5830			
Aromatics >EC12-EC16			<100 µg/kg	TM173	28000		73800		88000		19100		13000			
Aromatics >EC16-EC21			<100 µg/kg	TM173	45200		90800		111000		55900		24200			
Aromatics >EC21-EC35			<100 µg/kg	TM173	105000		162000		177000		200000		34700			
Aromatics >EC35-EC44			<100 µg/kg	TM173	32100		46900		67900		81200		7290			
Aromatics >EC40-EC44			<100 µg/kg	TM173	11400		16200		26700		30700		<100			
Total Aromatics >EC12-EC44			<100 µg/kg	TM173	211000		374000		443000		356000		79200			
Total Aliphatics >C5-35			<100 µg/kg	TM173	253000		455000		532000		446000		209000			
Total Aromatics >C5-35			<100 µg/kg	TM173	185000		332000		386000		278000		84300			
Total Aliphatics & Aromatics >C5-35			<100 µg/kg	TM173	438000		787000		918000		724000		293000			

Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	SP101-8		SP101-9		SP97-10		SP97-11		SP97-12		SP98-10	
#	ISO17025 accredited.		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid	
M	mCERTS accredited.		08/10/2013		08/10/2013		08/10/2013		08/10/2013		08/10/2013		08/10/2013	
aq	Aqueous / settled sample.		09/10/2013		09/10/2013		09/10/2013		09/10/2013		09/10/2013		09/10/2013	
diss.filt	Dissolved / filtered sample.		131009-62		131009-62		131009-62		131009-62		131009-62		131009-62	
tot.unfilt	Total / unfiltered sample.		8239296		8239297		8239274		8239275		8239277		8239278	
*	Subcontracted test.													
**	% recovery of the surrogate standard to 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	91		126		47		86		70		76	
GRO Surrogate % recovery**	%	TM089												
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	7130		57500		5550		15000		13200		22800	
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5		<5		<5		<5		<5		<5	
Benzene	<10 µg/kg	TM089	<10		33.4		<10		20.9		13.6		28.8	
Toluene	<2 µg/kg	TM089	27.6		<2		<2		<2		<2		<2	
Ethylbenzene	<3 µg/kg	TM089	<3		<3		<3		<3		<3		<3	
m,p-Xylene	<6 µg/kg	TM089	<6		<6		<6		<6		<6		<6	
o-Xylene	<3 µg/kg	TM089	<3		<3		<3		<3		<3		<3	
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9		<9		<9		<9		<9		<9	
sum of detected BTEX by GC	<24 µg/kg	TM089	27.6		33.4		<24		<24		<24		28.8	
Aliphatics >C5-C6	<10 µg/kg	TM089	24.2		578		25.3		206		128		126	
Aliphatics >C6-C8	<10 µg/kg	TM089	337		11700		553		3200		2170		2330	
Aliphatics >C8-C10	<10 µg/kg	TM089	2220		15700		1420		3910		3240		6750	
Aliphatics >C10-C12	<10 µg/kg	TM089	1820		11400		1550		3000		3310		5430	
Aliphatics >C12-C16	<100 µg/kg	TM173	66500		308000		196000		185000		161000		347000	
Aliphatics >C16-C21	<100 µg/kg	TM173	79200		99700		464000		511000		122000		94100	
Aliphatics >C21-C35	<100 µg/kg	TM173	200000		121000		1270000		944000		98700		43600	
Aliphatics >C35-C44	<100 µg/kg	TM173	38800		22800		244000		67500		18200		4930	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	384000		552000		2170000		1710000		399000		489000	
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10		33.4		<10		20.9		13.6		28.8	
Aromatics >EC7-EC8	<10 µg/kg	TM089	27.6		<10		<10		<10		<10		<10	
Aromatics >EC8-EC10	<10 µg/kg	TM089	1480		10500		949		2610		2160		4500	
Aromatics >EC10-EC12	<10 µg/kg	TM089	1210		7600		1040		2000		2210		3620	
Aromatics >EC12-EC16	<100 µg/kg	TM173	20200		102000		89300		243000		44900		47200	
Aromatics >EC16-EC21	<100 µg/kg	TM173	51700		80700		413000		789000		74100		66600	
Aromatics >EC21-EC35	<100 µg/kg	TM173	170000		141000		1030000		1270000		140000		80300	
Aromatics >EC35-EC44	<100 µg/kg	TM173	63500		37000		277000		257000		48800		16900	
Aromatics >EC40-EC44	<100 µg/kg	TM173	21400		13100		105000		109000		17600		5780	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	306000		360000		1800000		2560000		308000		211000	
Total Aliphatics >C5-35	<100 µg/kg	TM173	350000		569000		1930000		1650000		390000		499000	
Total Aromatics >C5-35	<100 µg/kg	TM173	245000		342000		1530000		2300000		263000		202000	
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	595000		911000		3460000		3950000		653000		701000	

Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

TPH CWG (S)

Results Legend		Customer Sample R	SP98-11	SP98-12	SP101-10	SP101-11	SP101-12	
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239279	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239280	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239298	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239300	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239301	
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
GRO Surrogate % recovery**	%	TM089	71	77	96	109	78	
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	26100 M	28100 M	1380 M	8620 M	2310 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	15.2 M	14.3 M	<10 M	<10 M	<10 M	
Toluene	<2 µg/kg	TM089	<2 M	<2 M	58.1 M	<2 M	36.5 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	9.12 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	9.12	
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	58.1	<24	45.6	
Aliphatics >C5-C6	<10 µg/kg	TM089	42.1	91.6	<10	33.1	11.4	
Aliphatics >C6-C8	<10 µg/kg	TM089	762	1910	25.1	1100	50.2	
Aliphatics >C8-C10	<10 µg/kg	TM089	5720	6990	100	2570	422	
Aliphatics >C10-C12	<10 µg/kg	TM089	9420	8660	666	1920	895	
Aliphatics >C12-C16	<100 µg/kg	TM173	337000	564000	186000	94600	385000	
Aliphatics >C16-C21	<100 µg/kg	TM173	250000	253000	80800	51800	130000	
Aliphatics >C21-C35	<100 µg/kg	TM173	689000	273000	96600	115000	137000	
Aliphatics >C35-C44	<100 µg/kg	TM173	154000	53700	17700	37700	22600	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	1430000	1140000	381000	299000	674000	
Aromatics >EC5-EC7	<10 µg/kg	TM089	15.2	14.3	<10	<10	<10	
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	58.1	<10	36.5	
Aromatics >EC8-EC10	<10 µg/kg	TM089	3810	4660	70.7	1710	290	
Aromatics >EC10-EC12	<10 µg/kg	TM089	6280	5780	443	1280	597	
Aromatics >EC12-EC16	<100 µg/kg	TM173	56000	101000	82600	28600	119000	
Aromatics >EC16-EC21	<100 µg/kg	TM173	155000	155000	82100	39800	95600	
Aromatics >EC21-EC35	<100 µg/kg	TM173	615000	303000	141000	101000	164000	
Aromatics >EC35-EC44	<100 µg/kg	TM173	163000	106000	36700	35300	49700	
Aromatics >EC40-EC44	<100 µg/kg	TM173	59800	42500	12800	12600	19100	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	989000	665000	343000	204000	428000	
Total Aliphatics >C5-35	<100 µg/kg	TM173	1290000	1110000	365000	267000	653000	
Total Aromatics >C5-35	<100 µg/kg	TM173	836000	570000	307000	172000	379000	
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	2130000	1680000	671000	439000	1030000	

Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R	SP97-5	SP97-6	SP97-7	SP97-8	SP97-9	SP101-1
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference							
M	mCERTS accredited.								
aq	Aqueous / settled sample.								
diss.filt	Dissolved / filtered sample.								
tot.unfilt	Total / unfiltered sample.								
*	Subcontracted test.								
**	% recovery of the surrogate standard to 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						
Dibromofluoromethane**	%	TM116	105	113	108	108	115	105	
Toluene-d8**	%	TM116	98.3	99	99.8	97.4	98.9	97.7	
4-Bromofluorobenzene**	%	TM116	111	112	107	110	106	108	
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<80	<80	
Chloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140	
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200	
Bromomethane	<13 µg/kg	TM116	<260	<260	<260	<260	<260	<260	
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280	
Trichlorofluorormethane	<6 µg/kg	TM116	<120	<120	<120	<120	<120	<120	
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200	
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140	
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200	
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220	
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220	
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160	
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100	
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240	
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280	
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160	
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140	
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220	
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280	
1,2-Dichloroethane	<5 µg/kg	TM116	<100	243	<100	<100	490	<100	
Benzene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180	
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180	
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240	
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180	
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140	
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280	
Toluene	<5 µg/kg	TM116	<100	<100	<100	<100	<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	<200	<200	<200	<200	



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		SP97-5	SP97-6	SP97-7	SP97-8	SP97-9	SP101-1
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				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				131009-62	131009-62	131009-62	131009-62	131009-62	131009-62
(F)	Trigger breach confirmed				8239269	8239270	8239271	8239272	8239273	8239283
1-4&5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	121	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	228	<180	<180	<180	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M

Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

Results Legend		Customer Sample R						
#	ISO17025 accredited.		SP101-2		SP101-3		SP101-4	
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid		Soil/Solid		Soil/Solid	
aq	Aqueous / settled sample.		08/10/2013		08/10/2013		08/10/2013	
diss.filt	Dissolved / filtered sample.		09/10/2013		09/10/2013		09/10/2013	
tot.unfilt	Total / unfiltered sample.		131009-62		131009-62		131009-62	
*	Subcontracted test.		8239284		8239285		8239286	
**	% recovery of the surrogate standard to 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						
Dibromofluoromethane**	%	TM116	112		107		108	
Toluene-d8**	%	TM116	99.1		98.4		99.4	
4-Bromofluorobenzene**	%	TM116	107		109		108	
Dichlorodifluoromethane	<4 µg/kg	TM116	<80		<80		<80	
Chloromethane	<7 µg/kg	TM116	<140		<140		<140	
Vinyl Chloride	<10 µg/kg	TM116	<200		<200		<200	
Bromomethane	<13 µg/kg	TM116	<260		<260		<260	
Chloroethane	<14 µg/kg	TM116	<280		<280		<280	
Trichlorofluoromethane	<6 µg/kg	TM116	<120		<120		<120	
1,1-Dichloroethene	<10 µg/kg	TM116	<200		<200		<200	
Carbon Disulphide	<7 µg/kg	TM116	<140		<140		<140	
Dichloromethane	<10 µg/kg	TM116	<200		<200		<200	
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220		<220		<220	
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220		<220		<220	
1,1-Dichloroethane	<8 µg/kg	TM116	<160		<160		<160	
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100		<100		<100	
2,2-Dichloropropane	<12 µg/kg	TM116	<240		<240		<240	
Bromochloromethane	<14 µg/kg	TM116	<280		<280		<280	
Chloroform	<8 µg/kg	TM116	<160		<160		<160	
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140		<140		<140	
1,1-Dichloropropene	<11 µg/kg	TM116	<220		<220		<220	
Carbontetrachloride	<14 µg/kg	TM116	<280		<280		<280	
1,2-Dichloroethane	<5 µg/kg	TM116	<100		<100		<100	
Benzene	<9 µg/kg	TM116	<180		<180		<180	
Trichloroethene	<9 µg/kg	TM116	<180		<180		<180	
1,2-Dichloropropane	<12 µg/kg	TM116	<240		<240		<240	
Dibromomethane	<9 µg/kg	TM116	<180		<180		<180	
Bromodichloromethane	<7 µg/kg	TM116	<140		<140		<140	
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280		<280		<280	
Toluene	<5 µg/kg	TM116	<100		<100		<100	
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000		<2000		<2000	
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200		<200		<200	



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		SP101-2	SP101-3	SP101-4	SP101-5	SP101-6	SP101-7
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
**	Subcontracted test.									
% recovery of the surrogate standard to 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&5@ Sample deviation (see appendix)					09/10/2013 131009-62 8239284	09/10/2013 131009-62 8239285	09/10/2013 131009-62 8239286	09/10/2013 131009-62 8239288	09/10/2013 131009-62 8239293	09/10/2013 131009-62 8239295
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	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	<200	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M

Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

Results Legend		Customer Sample R Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	SP101-8		SP101-9		SP97-10		SP97-11		SP97-12		SP98-10	
#	ISO17025 accredited.		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid	
M	mCERTS accredited.		08/10/2013		08/10/2013		08/10/2013		08/10/2013		08/10/2013		08/10/2013	
aq	Aqueous / settled sample.													
diss.filt	Dissolved / filtered sample.													
tot.unfilt	Total / unfiltered sample.													
*	Subcontracted test.													
**	% recovery of the surrogate standard to 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												
Dibromofluoromethane**	%	TM116	114		107		108		108		108		112	
Toluene-d8**	%	TM116	99.2		99.3		97.8		98.8		96.9		97.7	
4-Bromofluorobenzene**	%	TM116	105		106		109		108		111		110	
Dichlorodifluoromethane	<4 µg/kg	TM116	<80		<80		<80		<80		<80		<80	
Chloromethane	<7 µg/kg	TM116	<140		<140		<140		<140		<140		<140	
Vinyl Chloride	<10 µg/kg	TM116	<200		<200		<200		<200		<200		<200	
Bromomethane	<13 µg/kg	TM116	<260		<260		<260		<260		<260		<260	
Chloroethane	<14 µg/kg	TM116	<280		<280		<280		<280		<280		<280	
Trichlorofluorormethane	<6 µg/kg	TM116	<120		<120		<120		<120		<120		<120	
1,1-Dichloroethene	<10 µg/kg	TM116	<200		<200		<200		<200		<200		<200	
Carbon Disulphide	<7 µg/kg	TM116	<140		<140		<140		<140		<140		502	
Dichloromethane	<10 µg/kg	TM116	<200		<200		<200		<200		<200		<200	
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220		<220		<220		<220		<220		<220	
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220		<220		<220		<220		<220		<220	
1,1-Dichloroethane	<8 µg/kg	TM116	<160		<160		<160		<160		<160		<160	
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100		<100		<100		<100		<100		<100	
2,2-Dichloropropane	<12 µg/kg	TM116	<240		<240		<240		<240		<240		<240	
Bromochloromethane	<14 µg/kg	TM116	<280		<280		<280		<280		<280		<280	
Chloroform	<8 µg/kg	TM116	<160		<160		<160		<160		<160		<160	
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140		<140		<140		<140		<140		<140	
1,1-Dichloropropene	<11 µg/kg	TM116	<220		<220		<220		<220		<220		<220	
Carbontetrachloride	<14 µg/kg	TM116	<280		<280		<280		<280		<280		<280	
1,2-Dichloroethane	<5 µg/kg	TM116	<100		<100		566		<100		1160		910	
Benzene	<9 µg/kg	TM116	<180		<180		<180		<180		<180		<180	
Trichloroethene	<9 µg/kg	TM116	<180		<180		<180		<180		<180		<180	
1,2-Dichloropropane	<12 µg/kg	TM116	<240		<240		<240		<240		<240		<240	
Dibromomethane	<9 µg/kg	TM116	<180		<180		<180		<180		<180		<180	
Bromodichloromethane	<7 µg/kg	TM116	<140		<140		<140		<140		<140		<140	
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280		<280		<280		<280		<280		<280	
Toluene	<5 µg/kg	TM116	126		<100		<100		<100		<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		<200		<200		<200		<200	



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		SP101-8	SP101-9	SP97-10	SP97-11	SP97-12	SP98-10
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
M	mCERTS accredited.				08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				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				131009-62	131009-62	131009-62	131009-62	131009-62	131009-62
(F)	Trigger breach confirmed				8239296	8239297	8239274	8239275	8239277	8239278
1-4&5@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	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	<200	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloroprop ane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M

Order Number: CD0514
Report Number: 245844
Superseded Report:

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CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

Results Legend		Customer Sample R	SP98-11	SP98-12	SP101-10	SP101-11	SP101-12	
#	ISO17025 accredited.							
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239279	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239280	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239298	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239300	Soil/Solid 08/10/2013 09/10/2013 131009-62 8239301	
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to 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						
Dibromofluoromethane**	%	TM116	110	109	112	108	108	
Toluene-d8**	%	TM116	98.3	98.3	98.9	99.3	99.3	
4-Bromofluorobenzene**	%	TM116	110	109	107	106	104	
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<80	
			M	M	M	M	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	<260	<260	<260	<260	
			M	M	M	M	M	
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	
			M	M	M	M	M	
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<120	<120	
			M	M	M	M	M	
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<200	
			#	#	#	#	#	
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<140	
			M	M	M	M	M	
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	
			#	#	#	#	#	
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<220	
			M	M	M	M	M	
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	
			M	M	M	M	M	
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<160	
			M	M	M	M	M	
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<100	
			M	M	M	M	M	
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	
			M	M	M	M	M	
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	
			M	M	M	M	M	
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<160	
			M	M	M	M	M	
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	
			M	M	M	M	M	
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	
			M	M	M	M	M	
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<280	
			M	M	M	M	M	
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<100	<100	
			M	M	M	M	M	
Benzene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	
			M	M	M	M	M	
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	
			M	M	M	M	M	
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	
			M	M	M	M	M	
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<180	
			M	M	M	M	M	
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	
			M	M	M	M	M	
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<280	
			M	M	M	M	M	
Toluene	<5 µg/kg	TM116	<100	<100	251	<100	257	
			M	M	M	M	M	
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<2000	<2000	<2000	<2000	
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	
			M	M	M	M	M	



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

Results Legend			Customer Sample R		SP98-11	SP98-12	SP101-10	SP101-11	SP101-12	
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
M	mCERTS accredited.				08/10/2013	08/10/2013	08/10/2013	08/10/2013	08/10/2013	
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				09/10/2013	09/10/2013	09/10/2013	09/10/2013	09/10/2013	
(F)	Trigger breach confirmed				131009-62	131009-62	131009-62	131009-62	131009-62	
1-4&5@	Sample deviation (see appendix)				8239279	8239280	8239298	8239300	8239301	
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	
					#	#	#	#	#	
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	
					M	M	M	M	M	
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	
					M	M	M	M	M	
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	
					M	M	M	M	M	
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	
					M	M	M	M	M	
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	
					M	M	M	M	M	
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	
					#	#	#	#	#	
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	
					M	M	M	M	M	
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					#	#	#	#	#	
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	
					M	M	M	M	M	
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	
					M	M	M	M	M	
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	
					M	M	M	M	M	
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	
					#	#	#	#	#	
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	
					M	M	M	M	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	<200	<200	<200	<200	
					M	M	M	M	M	
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	
					M	M	M	M	M	
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	
					M	M	M	M	M	
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	
					M	M	M	M	M	
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	
					M	M	M	M	M	
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	
					M	M	M	M	M	
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	
					M	M	M	M	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	<260	<260	<260	<260	
					M	M	M	M	M	

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

VOC MS (S)

[illegible]



SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
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 Received SDG Original Sample Method Number	SP97-5 SOLID 08/10/2013 00:00:00 131009-62 8239269 TM048	14/10/13	Kevin Bowron	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP97-6 SOLID 08/10/2013 00:00:00 131009-62 8239270 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP97-7 SOLID 08/10/2013 00:00:00 131009-62 8239271 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP97-8 SOLID 08/10/2013 00:00:00 131009-62 8239272 TM048	11/10/13	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 Received SDG Original Sample Method Number	SP97-9 SOLID 08/10/2013 00:00:00 131009-62 8239273 TM048	11/10/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
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 Received SDG Original Sample Method Number	SP101-1 SOLID 08/10/2013 00:00:00 131009-62 8239283 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP101-2 SOLID 08/10/2013 00:00:00 131009-62 8239284 TM048	14/10/13	Martin Cotterell	Loose fibres in soil	Trace (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP101-3 SOLID 08/10/2013 00:00:00 131009-62 8239285 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP101-4 SOLID 08/10/2013 00:00:00 131009-62 8239286 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP101-5 SOLID 08/10/2013 00:00:00 131009-62 8239288 TM048	14/10/13	Kevin Bowron	Loose fibres in soil	Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	SP101-6 SOLID 08/10/2013 00:00:00 131009-62 8239293 TM048	14/10/13	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
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 Received SDG Original Sample Method Number	SP101-7 SOLID 08/10/2013 00:00:00 131009-62 8239295 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP101-8 SOLID 08/10/2013 00:00:00 131009-62 8239296 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP101-9 SOLID 08/10/2013 00:00:00 131009-62 8239297 TM048	11/10/13	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 Received SDG Original Sample Method Number	SP97-10 SOLID 08/10/2013 00:00:00 131009-62 8239274 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP97-11 SOLID 08/10/2013 00:00:00 131009-62 8239275 TM048	11/10/13	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 Received SDG Original Sample Method Number	SP97-12 SOLID 08/10/2013 00:00:00 131009-62 8239277 TM048	11/10/13	Paul Fenney	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
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 Received SDG Original Sample Method Number	SP98-10 SOLID 08/10/2013 00:00:00 131009-62 8239278 TM048	14/10/13	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 Received SDG Original Sample Method Number	SP98-11 SOLID 08/10/2013 00:00:00 131009-62 8239279 TM048	11/10/13	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 Received SDG Original Sample Method Number	SP98-12 SOLID 08/10/2013 00:00:00 131009-62 8239280 TM048	11/10/13	Lauren Sargeant	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 Received SDG Original Sample Method Number	SP101-10 SOLID 08/10/2013 00:00:00 131009-62 8239298 TM048	11/10/13	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 Received SDG Original Sample Method Number	SP101-11 SOLID 08/10/2013 00:00:00 131009-62 8239300 TM048	11/10/13	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 Received SDG Original Sample Method Number	SP101-12 SOLID 08/10/2013 00:00:00 131009-62 8239301 TM048	14/10/13	Simon Postlewhite	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



SDG:	131009-62	Location:	Coed Darcy Urban Village	Order Number:	CD0514
Job:	H_ATKINS_LDC-40	Customer:	Atkins Global Ltd	Report Number:	245844
Client Reference:	Stockpiles	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: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Test Completion Dates

Lab Sample No(s)	8239269	8239270	8239271	8239272	8239273	8239283	8239284	8239285	8239286	8239288
Customer Sample Ref.	SP97-5	SP97-6	SP97-7	SP97-8	SP97-9	SP101-1	SP101-2	SP101-3	SP101-4	SP101-5
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	14-Oct-2013	14-Oct-2013	14-Oct-2013	11-Oct-2013	11-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013
EPH CWG (Aliphatic) GC (S)	11-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	11-Oct-2013	14-Oct-2013	14-Oct-2013
EPH CWG (Aromatic) GC (S)	11-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	11-Oct-2013	14-Oct-2013	14-Oct-2013
GRO by GC-FID (S)	14-Oct-2013	11-Oct-2013	14-Oct-2013	11-Oct-2013	11-Oct-2013	13-Oct-2013	11-Oct-2013	11-Oct-2013	14-Oct-2013	13-Oct-2013
Metals in solid samples by OES	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013
pH	11-Oct-2013	11-Oct-2013	11-Oct-2013	14-Oct-2013	11-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013
Sample description	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	09-Oct-2013	10-Oct-2013	09-Oct-2013	09-Oct-2013	09-Oct-2013
Semi Volatile Organic Compounds	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013
Total Organic Carbon	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013
TPH CWG GC (S)	11-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	11-Oct-2013	14-Oct-2013	14-Oct-2013
VOC MS (S)	13-Oct-2013	11-Oct-2013	13-Oct-2013	13-Oct-2013	11-Oct-2013	13-Oct-2013	11-Oct-2013	11-Oct-2013	13-Oct-2013	14-Oct-2013

Lab Sample No(s)	8239293	8239295	8239296	8239297	8239274	8239275	8239277	8239278	8239279	8239280
Customer Sample Ref.	SP101-6	SP101-7	SP101-8	SP101-9	SP97-10	SP97-11	SP97-12	SP98-10	SP98-11	SP98-12
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	14-Oct-2013	14-Oct-2013	14-Oct-2013	11-Oct-2013	14-Oct-2013	11-Oct-2013	11-Oct-2013	14-Oct-2013	11-Oct-2013	11-Oct-2013
EPH CWG (Aliphatic) GC (S)	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013
EPH CWG (Aromatic) GC (S)	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013
GRO by GC-FID (S)	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013
Metals in solid samples by OES	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013
pH	14-Oct-2013	14-Oct-2013	14-Oct-2013	11-Oct-2013	14-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	14-Oct-2013
Sample description	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	09-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	10-Oct-2013	09-Oct-2013
Semi Volatile Organic Compounds	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013	13-Oct-2013
Total Organic Carbon	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013	15-Oct-2013
TPH CWG GC (S)	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013	14-Oct-2013
VOC MS (S)	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013	11-Oct-2013

Lab Sample No(s)	8239298	8239300	8239301
Customer Sample Ref.	SP101-10	SP101-11	SP101-12
AGS Ref.			
Depth			
Type	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	11-Oct-2013	11-Oct-2013	14-Oct-2013
EPH CWG (Aliphatic) GC (S)	14-Oct-2013	14-Oct-2013	14-Oct-2013
EPH CWG (Aromatic) GC (S)	14-Oct-2013	14-Oct-2013	14-Oct-2013
GRO by GC-FID (S)	11-Oct-2013	11-Oct-2013	11-Oct-2013
Metals in solid samples by OES	15-Oct-2013	15-Oct-2013	15-Oct-2013
pH	11-Oct-2013	11-Oct-2013	11-Oct-2013
Sample description	10-Oct-2013	09-Oct-2013	10-Oct-2013
Semi Volatile Organic Compounds	13-Oct-2013	13-Oct-2013	13-Oct-2013
Total Organic Carbon	15-Oct-2013	15-Oct-2013	15-Oct-2013
TPH CWG GC (S)	14-Oct-2013	14-Oct-2013	14-Oct-2013
VOC MS (S)	11-Oct-2013	11-Oct-2013	11-Oct-2013



SDG: 131009-62
Job: H_ATKINS_LDC-40
Client Reference: Stockpiles

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

Order Number: CD0514
Report Number: 245844
Superseded Report:

Appendix General

1. Results are expressed on a dry weight basis (dried at 35°C) 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 Dimethylphenol, 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.



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 December 2014
Customer: H_ATKINS_LDC
Sample Delivery Group (SDG): 140115-93
Your Reference: Phase 2
Location: Coed Darcy
Report No: 294616

This report has been revised and directly supersedes 290086 in its entirety.

We received 83 samples on Wednesday January 15, 2014 and 78 of these samples were scheduled for analysis which was completed on Thursday February 20, 2014. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:

Sonia McWhan
Operations Manager





SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8689297	NO ID			
8689189	P1TP2		0.40	13/01/2014
8689190	P1TP2		0.60	13/01/2014
8689191	P1TP3		0.20	13/01/2014
8689192	P1TP3		0.70	13/01/2014
8689195	P1TP4		0.30	13/01/2014
8689196	P1TP4		0.50	13/01/2014
8689197	P1TP5		0.20	13/01/2014
8689198	P1TP5		0.90	13/01/2014
8689199	P1TP6		0.20	13/01/2014
8689200	P1TP6		0.60	13/01/2014
8689202	P1TP7		0.30	13/01/2014
8689203	P1TP7		1.00	13/01/2014
8689204	P1TP8		0.20	13/01/2014
8689205	P1TP8		0.60	13/01/2014
8689206	P1TP9		0.20	13/01/2014
8689207	P1TP9		0.60	13/01/2014
8689208	P1TP09		1.00	13/01/2014
8689209	P1TP10		0.20	13/01/2014
8689210	P1TP10		0.90	13/01/2014
8689213	P1TP10		1.20	13/01/2014
8689281	P1TP11		0.20	14/01/2014
8689282	P1TP11		0.60	14/01/2014
8689236	P1TP12		0.30	13/01/2014
8689237	P1TP12		0.70	13/01/2014
8689233	P1TP13		0.20	13/01/2014
8689298	P1TP13		0.30	13/01/2014
8689234	P1TP13		1.05	13/01/2014
8689229	P1TP14		0.20	13/01/2014
8689230	P1TP14		0.30	13/01/2014
8689231	P1TP14		1.10	13/01/2014
8689232	P1TP14		1.70	13/01/2014
8689226	P1TP15		0.30	13/01/2014
8689227	P1TP15		1.10	13/01/2014
8689228	P1TP15		1.70	13/01/2014
8689223	P1TP16		0.20	13/01/2014
8689224	P1TP16		0.70	13/01/2014
8689220	P1TP17		0.30	13/01/2014
8689222	P1TP17		0.80	13/01/2014
8689218	P1TP19			13/01/2014
8689216	P1TP19		0.30	13/01/2014
8689217	P1TP19		1.00	13/01/2014
8689219	P1TP19		1.20	13/01/2014
8689214	P1TP20		0.20	13/01/2014
8689215	P1TP20		0.30	13/01/2014
8689284	P1TP22		0.30	14/01/2014
8689283	P1TP22		1.00	14/01/2014
8689238	P1TP23		0.20	14/01/2014
8689239	P1TP23		0.50	14/01/2014
8689241	P1TP24		0.30	14/01/2014
8689242	P1TP24		0.75	14/01/2014
8689243	P1TP25		0.30	14/01/2014
8689244	P1TP25		0.75	14/01/2014
8689247	P1TP26		0.20	14/01/2014
8689249	P1TP26		0.90	14/01/2014
8689258	P1TP27		0.20	14/01/2014



CERTIFICATE OF ANALYSIS

Validated

SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
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8689262	P1TP27	0.90	14/01/2014
8689250	P1TP28	0.30	14/01/2014
8689254	P1TP28	1.00	14/01/2014
8689257	P1TP28	1.40	14/01/2014
8689264	P1TP29	0.20	14/01/2014
8689266	P1TP29	0.90	14/01/2014
8689267	P1TP29	1.40	14/01/2014
8689269	P1TP30	0.20	14/01/2014
8689270	P1TP30	1.00	14/01/2014
8689272	P1TP30	1.90	14/01/2014
8689275	P1TP31	0.20	14/01/2014
8689276	P1TP31	0.90	14/01/2014
8689277	P1TP31	1.10	14/01/2014
8689279	P1TP32	0.20	14/01/2014
8689280	P1TP32	0.70	14/01/2014
8689294	P1TP39	0.20	14/01/2014
8689295	P1TP39	1.00	14/01/2014
8689296	P1TP39	1.80	14/01/2014
8689291	P1TP40	0.20	14/01/2014
8689293	P1TP40	0.80	14/01/2014
8689292	P1TP40	1.00	14/01/2014
8689288	P1TP41	0.30	14/01/2014
8689289	P1TP41	1.10	14/01/2014
8689290	P1TP41	1.60	14/01/2014
8689285	P1TP42	0.20	14/01/2014
8689286	P1TP42	1.00	14/01/2014
8689287	P1TP42	1.60	14/01/2014

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



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Client Reference: Phase 2

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

Order Number: CD0593
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Superseded Report: 290086

SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	8689205		P1TP8				0.60		250g Amber Jar	
	8689204		P1TP8				0.20		60g VOC (ALE215) 400g Tub (ALE214)	
	8689203		P1TP7				1.00		250g Amber Jar	
	8689202		P1TP7				0.30		60g VOC (ALE215) 400g Tub (ALE214)	
	8689200		P1TP6				0.60		250g Amber Jar	
	8689199		P1TP6				0.20		60g VOC (ALE215) 400g Tub (ALE214)	
	8689198		P1TP5				0.90		250g Amber Jar	
	8689197		P1TP5				0.20		60g VOC (ALE215) 400g Tub (ALE214)	
	8689196		P1TP4				0.50		250g Amber Jar	
	8689195		P1TP4				0.30		60g VOC (ALE215) 400g Tub (ALE214)	
	8689192		P1TP3				0.70		250g Amber Jar	
	8689191		P1TP3				0.20		60g VOC (ALE215) 400g Tub (ALE214)	
	8689190		P1TP2				0.60		250g Amber Jar	
	8689189		P1TP2				0.40		60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 78								
Asbestos Quantification - Full	All	NDPs: 0 Tests: 35								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 78								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 78								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 78								
Metals in solid samples by OES	All	NDPs: 0 Tests: 78								
pH	All	NDPs: 0 Tests: 78								
Sample description	All	NDPs: 0 Tests: 78								
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 78								
Total Organic Carbon	All	NDPs: 0 Tests: 78								
TPH CWG GC (S)	All	NDPs: 0 Tests: 78								
VOC MS (S)	All	NDPs: 0 Tests: 78								



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Location: Coed Darcy
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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	8689231	P1TP14					1.10		60g VOC (ALE215)	
	8689230	P1TP14					0.30		400g Tub (ALE214)	
	8689234	P1TP13					1.05		250g Amber Jar	
	8689233	P1TP13					0.20		60g VOC (ALE215)	
Asbestos ID in Solid Samples	8689205	P1TP8					0.60		400g Tub (ALE214)	
	8689206	P1TP9					0.20		250g Amber Jar	
Asbestos Quantification - Full	8689207	P1TP9					0.60		60g VOC (ALE215)	
	8689209	P1TP10					0.20		400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	8689210	P1TP10					0.90		250g Amber Jar	
	8689213	P1TP10					1.20		60g VOC (ALE215)	
EPH CWG (Aromatic) GC (S)	8689281	P1TP11					0.20		400g Tub (ALE215)	
	8689282	P1TP11					0.60		250g Amber Jar	
GRO by GC-FID (S)	8689236	P1TP12					0.30		60g VOC (ALE215)	
	8689282	P1TP11					0.60		400g Tub (ALE214)	
Metals in solid samples by OES	8689237	P1TP12					0.70		250g Amber Jar	
	8689233	P1TP13					0.20		60g VOC (ALE215)	
pH	8689230	P1TP14					0.30		400g Tub (ALE214)	
	8689234	P1TP13					1.05		250g Amber Jar	
Sample description	8689233	P1TP13					0.20		60g VOC (ALE215)	
	8689230	P1TP14					0.30		400g Tub (ALE214)	
Semi Volatile Organic Compounds	8689234	P1TP13					1.05		250g Amber Jar	
	8689233	P1TP13					0.20		60g VOC (ALE215)	
Total Organic Carbon	8689230	P1TP14					0.30		400g Tub (ALE214)	
	8689234	P1TP13					1.05		250g Amber Jar	
TPH CWG GC (S)	8689233	P1TP13					0.20		60g VOC (ALE215)	
	8689230	P1TP14					0.30		400g Tub (ALE214)	
VOC MS (S)	8689234	P1TP13					1.05		250g Amber Jar	
	8689233	P1TP13					0.20		60g VOC (ALE215)	
Asbestos ID in Solid Samples	8689205	P1TP8					0.60		400g Tub (ALE214)	
	8689206	P1TP9					0.20		250g Amber Jar	
Asbestos Quantification - Full	8689207	P1TP9					0.60		60g VOC (ALE215)	
	8689209	P1TP10					0.20		400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	8689210	P1TP10					0.90		250g Amber Jar	
	8689213	P1TP10					1.20		60g VOC (ALE215)	
EPH CWG (Aromatic) GC (S)	8689281	P1TP11					0.20		400g Tub (ALE215)	
	8689282	P1TP11					0.60		250g Amber Jar	
GRO by GC-FID (S)	8689236	P1TP12					0.30		60g VOC (ALE215)	
	8689282	P1TP11					0.60		400g Tub (ALE214)	
Metals in solid samples by OES	8689237	P1TP12					0.70		250g Amber Jar	
	8689233	P1TP13					0.20		60g VOC (ALE215)	
pH	8689230	P1TP14					0.30		400g Tub (ALE214)	
	8689234	P1TP13					1.05		250g Amber Jar	
Sample description	8689233	P1TP13					0.20		60g VOC (ALE215)	
	8689230	P1TP14					0.30		400g Tub (ALE214)	
Semi Volatile Organic Compounds	8689234	P1TP13					1.05		250g Amber Jar	
	8689233	P1TP13					0.20		60g VOC (ALE215)	
Total Organic Carbon	8689230	P1TP14					0.30		400g Tub (ALE214)	
	8689234	P1TP13					1.05		250g Amber Jar	
TPH CWG GC (S)	8689233	P1TP13					0.20		60g VOC (ALE215)	
	8689230	P1TP14					0.30		400g Tub (ALE214)	
VOC MS (S)	8689234	P1TP13					1.05		250g Amber Jar	
	8689233	P1TP13					0.20		60g VOC (ALE215)	



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Attention: Jack Lowrie

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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	8689284		P1TP22				0.30		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689215		P1TP20				0.30		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689214		P1TP20				0.20		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689219		P1TP19				1.20		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
8689217		P1TP19				1.00		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689216		P1TP19				0.30		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689222		P1TP17				0.80		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689220		P1TP17				0.30		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689224		P1TP16				0.70		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689223		P1TP16				0.20		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689228		P1TP15				1.70		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689227		P1TP15				1.10		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689226		P1TP15				0.30		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
8689232		P1TP14				1.70		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar		
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 78								
Asbestos Quantification - Full	All	NDPs: 0 Tests: 35								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 78								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 78								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 78								
Metals in solid samples by OES	All	NDPs: 0 Tests: 78								
pH	All	NDPs: 0 Tests: 78								
Sample description	All	NDPs: 0 Tests: 78								
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 78								
Total Organic Carbon	All	NDPs: 0 Tests: 78								
TPH CWG GC (S)	All	NDPs: 0 Tests: 78								
VOC MS (S)	All	NDPs: 0 Tests: 78								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	8689257		P1TP28				1.40		250g Amber Jar	
	8689254		P1TP28				1.00		60g VOC (ALE215) 400g Tub (ALE214)	
	8689250		P1TP28				0.30		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689262		P1TP27				0.90		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689258		P1TP27				0.20		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689249		P1TP26				0.90		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689247		P1TP26				0.20		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689244		P1TP25				0.75		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689243		P1TP25				0.30		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689242		P1TP24				0.75		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689241		P1TP24				0.30		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689239		P1TP23				0.50		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689238		P1TP23				0.20		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
	8689283		P1TP22				1.00		250g Amber Jar 60g VOC (ALE215) 400g Tub (ALE214)	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 78								
Asbestos Quantification - Full	All	NDPs: 0 Tests: 35								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 78								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 78								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 78								
Metals in solid samples by OES	All	NDPs: 0 Tests: 78								
pH	All	NDPs: 0 Tests: 78								
Sample description	All	NDPs: 0 Tests: 78								
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 78								
Total Organic Carbon	All	NDPs: 0 Tests: 78								
TPH CWG GC (S)	All	NDPs: 0 Tests: 78								
VOC MS (S)	All	NDPs: 0 Tests: 78								



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SOLID Results Legend X Test N No Determination Possible	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	8689295		P1TP39				1.00		400g Tub (ALE214)	
	8689294		P1TP39				0.20		250g Amber Jar 60g VOC (ALE215)	
	8689280		P1TP32				0.70		400g Tub (ALE214)	
	8689279		P1TP32				0.20		250g Amber Jar 60g VOC (ALE215)	
Asbestos ID in Solid Samples	8689277		P1TP31				1.10		250g Amber Jar 60g VOC (ALE215)	
	8689276		P1TP31				0.90		400g Tub (ALE214)	
Asbestos Quantification - Full	8689275		P1TP31				0.20		250g Amber Jar 60g VOC (ALE215)	
	8689272		P1TP30				1.90		400g Tub (ALE214)	
EPH CWG (Aliphatic) GC (S)	8689270		P1TP30				1.00		250g Amber Jar 60g VOC (ALE215)	
	8689269		P1TP30				0.20		400g Tub (ALE214)	
EPH CWG (Aromatic) GC (S)	8689267		P1TP29				1.40		250g Amber Jar 60g VOC (ALE215)	
	8689266		P1TP29				0.90		400g Tub (ALE214)	
GRO by GC-FID (S)	8689264		P1TP29				0.20		250g Amber Jar 60g VOC (ALE215)	
	8689257		P1TP28				1.40		400g Tub (ALE214)	
Metals in solid samples by OES										
pH										
Sample description										
Semi Volatile Organic Compounds										
Total Organic Carbon										
TPH CWG GC (S)										
VOC MS (S)										



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SOLID Results Legend	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container	
	8689295		P1TP39				1.00		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689296		P1TP39				1.80		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689291		P1TP40				0.20		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689293		P1TP40				0.80		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689292		P1TP40				1.00		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689288		P1TP41				0.30		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689289		P1TP41				1.10		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689290		P1TP41				1.60		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689285		P1TP42				0.20		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689286		P1TP42				1.00		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
	8689287		P1TP42				1.60		60g VOC (ALE215) 400g Tub (ALE214) 250g Amber Jar	
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 78								
Asbestos Quantification - Full	All	NDPs: 0 Tests: 35								
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 78								
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 78								
GRO by GC-FID (S)	All	NDPs: 0 Tests: 78								
Metals in solid samples by OES	All	NDPs: 0 Tests: 78								
pH	All	NDPs: 0 Tests: 78								
Sample description	All	NDPs: 0 Tests: 78								
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 78								
Total Organic Carbon	All	NDPs: 0 Tests: 78								
TPH CWG GC (S)	All	NDPs: 0 Tests: 78								
VOC MS (S)	All	NDPs: 0 Tests: 78								



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Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
8689189	P1TP2	0.40	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
8689190	P1TP2	0.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8689191	P1TP3	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689192	P1TP3	0.70	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8689195	P1TP4	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689196	P1TP4	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689197	P1TP5	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689198	P1TP5	0.90	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Concrete/Aggregate
8689199	P1TP6	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689200	P1TP6	0.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8689202	P1TP7	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8689203	P1TP7	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8689204	P1TP8	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8689205	P1TP8	0.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8689206	P1TP9	0.20	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
8689207	P1TP9	0.60	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
8689209	P1TP10	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8689210	P1TP10	0.90	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8689213	P1TP10	1.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8689281	P1TP11	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689282	P1TP11	0.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689236	P1TP12	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689237	P1TP12	0.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689233	P1TP13	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8689234	P1TP13	1.05	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8689230	P1TP14	0.30	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8689231	P1TP14	1.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689232	P1TP14	1.70	Dark Brown	Loamy Sand	0.1 - 2 mm	Brick	Stones
8689226	P1TP15	0.30	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	None
8689227	P1TP15	1.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689228	P1TP15	1.70	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
8689223	P1TP16	0.20	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
8689224	P1TP16	0.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689220	P1TP17	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689222	P1TP17	0.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689216	P1TP19	0.30	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Brick
8689217	P1TP19	1.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
8689219	P1TP19	1.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None



CERTIFICATE OF ANALYSIS

SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

			Colour	Description	Grain size	Inclusions	Inclusions 2
8689214	P1TP20	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8689215	P1TP20	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8689283	P1TP22	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689284	P1TP22	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689238	P1TP23	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689239	P1TP23	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8689241	P1TP24	0.30	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
8689242	P1TP24	0.75	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689243	P1TP25	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Concrete/Aggregate	Stones
8689244	P1TP25	0.75	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
8689247	P1TP26	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8689249	P1TP26	0.90	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8689258	P1TP27	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689262	P1TP27	0.90	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689250	P1TP28	0.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689254	P1TP28	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Vegetation	Stones
8689257	P1TP28	1.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689264	P1TP29	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689266	P1TP29	0.90	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689267	P1TP29	1.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689269	P1TP30	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689270	P1TP30	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Crushed Brick
8689272	P1TP30	1.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689275	P1TP31	0.20	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689276	P1TP31	0.90	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689277	P1TP31	1.10	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689279	P1TP32	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
8689280	P1TP32	0.70	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689294	P1TP39	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689295	P1TP39	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689296	P1TP39	1.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689291	P1TP40	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689292	P1TP40	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689293	P1TP40	0.80	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
8689288	P1TP41	0.30	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
8689289	P1TP41	1.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689290	P1TP41	1.60	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
8689285	P1TP42	0.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
8689286	P1TP42	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
8689287	P1TP42	1.60	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

Location: Coed Darcy
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Order Number: CD0593
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Superseded Report: 290086

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 occurring 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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[illegible]

SDG: 140115-93
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[illegible]

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[illegible]

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[illegible]

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[illegible]

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Location: Coed Darcy
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Attention: Jack Lowrie

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[illegible]



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP2	P1TP2	P1TP3	P1TP3	P1TP4	P1TP4
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.40	0.60	0.20	0.70	0.30	0.50
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689189	8689190	8689191	8689192	8689195	8689196
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP2	P1TP2	P1TP3	P1TP3	P1TP4	P1TP4
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.40	0.60	0.20	0.70	0.30	0.50
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689189	8689190	8689191	8689192	8689195	8689196
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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			116	243	<100	113	117	188
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	116
Benzo(a)anthracene	<100 µg/kg	TM157			193	177	<100	257	<100	467
Benzo(b)fluoranthene	<100 µg/kg	TM157			168	130	<100	194	<100	378
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	<100	<100	172	<100	343
Benzo(a)pyrene	<100 µg/kg	TM157			162	142	<100	218	<100	445
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	<100	117	<100	216
Chrysene	<100 µg/kg	TM157			513	244	<100	249	117	548
Fluoranthene	<100 µg/kg	TM157			222	313	<100	446	121	625
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	198
Phenanthrene	<100 µg/kg	TM157			255	229	<100	279	171	491
Pyrene	<100 µg/kg	TM157			260	362	<100	401	153	682
Naphthalene	<100 µg/kg	TM157			<100	110	<100	<100	<100	117
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP5	P1TP5	P1TP6	P1TP6	P1TP7	P1TP7
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.90	0.20	0.60	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689197	8689198	8689199	8689200	8689202	8689203
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP5	P1TP5	P1TP6	P1TP6	P1TP7	P1TP7
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.90	0.20	0.60	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689197	8689198	8689199	8689200	8689202	8689203
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	149	144	<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	137	149	132	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157			<100	142	<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	156	<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	199	225	162	120	<100
Fluoranthene	<100 µg/kg	TM157			<100	181	223	257	174	<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	126	250	252	149	<100
Pyrene	<100 µg/kg	TM157			<100	225	217	216	165	<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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP8	P1TP8	P1TP9	P1TP9	P1TP10	P1TP10
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.60	0.20	0.60	0.20	0.90
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689204	8689205	8689206	8689207	8689209	8689210
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend		Customer Sample Ref. Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	P1TP8	P1TP8	P1TP9	P1TP9	P1TP10	P1TP10
#	ISO17025 accredited.		0.20	0.60	0.20	0.60	0.20	0.90
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&+s@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
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	121	<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	299	<100	<100	<100	119	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157	220	<100	<100	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157	181	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157	219	<100	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157	123	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157	295	<100	<100	<100	155	<100
Fluoranthene	<100 µg/kg	TM157	476	<100	<100	<100	178	<100
Fluorene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157	112	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157	413	<100	<100	<100	177	<100
Pyrene	<100 µg/kg	TM157	360	<100	<100	<100	169	<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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP10	P1TP11	P1TP11	P1TP12	P1TP12	P1TP13
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.20	0.20	0.60	0.30	0.70	0.20
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	14/01/2014	14/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689213	8689281	8689282	8689236	8689237	8689233
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP10	P1TP11	P1TP11	P1TP12	P1TP12	P1TP13
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.20	0.20	0.60	0.30	0.70	0.20
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	14/01/2014	14/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689213	8689281	8689282	8689236	8689237	8689233
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&+s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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			154	<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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP13	P1TP14	P1TP14	P1TP14	P1TP15	P1TP15
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.05	0.30	1.10	1.70	0.30	1.10
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689234	8689230	8689231	8689232	8689226	8689227
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	313	<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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP13	P1TP14	P1TP14	P1TP14	P1TP15	P1TP15
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.05	0.30	1.10	1.70	0.30	1.10
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
dis.s.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689234	8689230	8689231	8689232	8689226	8689227
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&+s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	1380	<100	<100
Acenaphthylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157			<100	<100	<100	128	<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			121	<100	<100	226	<100	<100
Fluoranthene	<100 µg/kg	TM157			175	<100	<100	245	<100	<100
Fluorene	<100 µg/kg	TM157			<100	<100	<100	497	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157			164	<100	142	838	<100	<100
Pyrene	<100 µg/kg	TM157			163	<100	119	202	<100	<100
Naphthalene	<100 µg/kg	TM157			<100	<100	<100	846	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP15	P1TP16	P1TP16	P1TP17	P1TP17	P1TP19
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.70	0.20	0.70	0.30	0.80	0.30
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
*	Subcontracted test.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				8689228	8689223	8689224	8689220	8689222	8689216
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP15	P1TP16	P1TP16	P1TP17	P1TP17	P1TP19
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.70	0.20	0.70	0.30	0.80	0.30
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
dis.s.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689228	8689223	8689224	8689220	8689222	8689216
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&+s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	206	<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	309	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157			<100	<100	227	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	<100	184	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157			<100	<100	250	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	112	<100	<100	<100
Chrysene	<100 µg/kg	TM157			<100	<100	384	<100	<100	<100
Fluoranthene	<100 µg/kg	TM157			<100	<100	411	<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			192	<100	341	<100	<100	<100
Pyrene	<100 µg/kg	TM157			<100	<100	369	<100	<100	<100
Naphthalene	<100 µg/kg	TM157			<100	<100	<100	143	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP19	P1TP19	P1TP20	P1TP20	P1TP22	P1TP22
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.00	1.20	0.20	0.30	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689217	8689219	8689214	8689215	8689284	8689283
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP19	P1TP19	P1TP20	P1TP20	P1TP22	P1TP22
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.00	1.20	0.20	0.30	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689217	8689219	8689214	8689215	8689284	8689283
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&+s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	127	144	573	<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	209	<100	108	403	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157			<100	184	<100	137	482	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	155	<100	<100	450	<100
Benzo(a)pyrene	<100 µg/kg	TM157			<100	183	<100	<100	531	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	<100	<100	307	<100
Chrysene	<100 µg/kg	TM157			<100	262	122	296	485	<100
Fluoranthene	<100 µg/kg	TM157			<100	331	<100	189	249	<100
Fluorene	<100 µg/kg	TM157			<100	<100	<100	107	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			<100	<100	<100	<100	279	<100
Phenanthrene	<100 µg/kg	TM157			121	142	165	941	<100	<100
Pyrene	<100 µg/kg	TM157			<100	368	<100	182	262	<100
Naphthalene	<100 µg/kg	TM157			<100	<100	<100	316	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP23	P1TP23	P1TP24	P1TP24	P1TP25	P1TP25
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.50	0.30	0.75	0.30	0.75
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
*	Subcontracted test.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				8689238	8689239	8689241	8689242	8689243	8689244
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP23	P1TP23	P1TP24	P1TP24	P1TP25	P1TP25
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.50	0.30	0.75	0.30	0.75
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689238	8689239	8689241	8689242	8689243	8689244
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	179
Benzo(b)fluoranthene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	187
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	153
Benzo(a)pyrene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	187
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	114
Chrysene	<100 µg/kg	TM157			128	<100	<100	<100	<100	242
Fluoranthene	<100 µg/kg	TM157			155	<100	<100	<100	<100	276
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	143
Pyrene	<100 µg/kg	TM157			169	<100	<100	<100	<100	274
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP26	P1TP26	P1TP27	P1TP27	P1TP28	P1TP28
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	14/01/2014	0.20	0.90	0.20	0.90	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
*	Subcontracted test.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				8689247	8689249	8689258	8689262	8689250	8689254
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP26	P1TP26	P1TP27	P1TP27	P1TP28	P1TP28
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.90	0.20	0.90	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689247	8689249	8689258	8689262	8689250	8689254
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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			111	<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			138	135	<100	<100	<100	<100
Fluoranthene	<100 µg/kg	TM157			<100	192	<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			131	166	<100	<100	<100	<100
Pyrene	<100 µg/kg	TM157			132	177	<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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.	P1TP28	P1TP29	P1TP29	P1TP29	P1TP30	P1TP30
#	ISO17025 accredited.								
M	mCERTS accredited.								
aq	Aqueous / settled sample.								
diss.filt	Dissolved / filtered sample.								
tot.unfilt	Total / unfiltered sample.								
*	Subcontracted test.								
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery								
(F)	Trigger breach confirmed								
1-5&*\$@	Sample deviation (see appendix)								
Component	LOD/Units	Method	Depth (m)						
Phenol	<100 µg/kg	TM157	Sample Type	1.40	0.20	0.90	1.40	0.20	1.00
Pentachlorophenol	<100 µg/kg	TM157	Date Sampled	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157	Sample Time	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
Nitrobenzene	<100 µg/kg	TM157	Date Received	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
Isophorone	<100 µg/kg	TM157	SDG Ref	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
Hexachloroethane	<100 µg/kg	TM157	Lab Sample No.(s)	8689257	8689264	8689266	8689267	8689269	8689270
Hexachlorocyclopentadiene	<100 µg/kg	TM157	AGS Reference						
Hexachlorobutadiene	<100 µg/kg	TM157							
Hexachlorobenzene	<100 µg/kg	TM157							
n-Dioctyl phthalate	<100 µg/kg	TM157							
Dimethyl phthalate	<100 µg/kg	TM157							
Diethyl phthalate	<100 µg/kg	TM157							
n-Dibutyl phthalate	<100 µg/kg	TM157							452
Dibenzofuran	<100 µg/kg	TM157							
Carbazole	<100 µg/kg	TM157							
Butylbenzyl phthalate	<100 µg/kg	TM157							
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157							
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157							
bis(2-Chloroethyl)ether	<100 µg/kg	TM157							
Azobenzene	<100 µg/kg	TM157							
4-Nitrophenol	<100 µg/kg	TM157							
4-Nitroaniline	<100 µg/kg	TM157							
4-Methylphenol	<100 µg/kg	TM157							
4-Chlorophenylphenylether	<100 µg/kg	TM157							
4-Chloroaniline	<100 µg/kg	TM157							
4-Chloro-3-methylphenol	<100 µg/kg	TM157							
4-Bromophenylphenylether	<100 µg/kg	TM157							
3-Nitroaniline	<100 µg/kg	TM157							
2-Nitrophenol	<100 µg/kg	TM157							
2-Nitroaniline	<100 µg/kg	TM157							
2-Methylphenol	<100 µg/kg	TM157							
1,2,4-Trichlorobenzene	<100 µg/kg	TM157							



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP28	P1TP29	P1TP29	P1TP29	P1TP30	P1TP30
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.40	0.20	0.90	1.40	0.20	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689257	8689264	8689266	8689267	8689269	8689270
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	150
Benzo(b)fluoranthene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	176
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	140
Benzo(a)pyrene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	182
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	132
Chrysene	<100 µg/kg	TM157			<100	<100	<100	<100	123	215
Fluoranthene	<100 µg/kg	TM157			<100	<100	<100	<100	121	245
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	150	209
Pyrene	<100 µg/kg	TM157			<100	<100	<100	<100	128	234
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP30	P1TP31	P1TP31	P1TP31	P1TP32	P1TP32
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.90	0.20	0.90	1.10	0.20	0.70
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
**	% 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				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
(F)	Trigger breach confirmed				8689272	8689275	8689276	8689277	8689279	8689280
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP30	P1TP31	P1TP31	P1TP31	P1TP32	P1TP32
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.90	0.20	0.90	1.10	0.20	0.70
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689272	8689275	8689276	8689277	8689279	8689280
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&+s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	141	133	<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	136	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157			121	<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			131	<100	<100	118	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157			169	<100	<100	157	<100	<100
Fluoranthene	<100 µg/kg	TM157			123	<100	<100	195	<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			130	<100	121	207	<100	<100
Pyrene	<100 µg/kg	TM157			151	<100	<100	192	<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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP39	P1TP39	P1TP39	P1TP40	P1TP40	P1TP40
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	1.00	1.80	0.20	0.80	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689294	8689295	8689296	8689291	8689293	8689292
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	161	<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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP39	P1TP39	P1TP39	P1TP40	P1TP40	P1TP40
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	1.00	1.80	0.20	0.80	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
dis.s.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689294	8689295	8689296	8689291	8689293	8689292
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	114	<100	<100
Acenaphthylene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157			<100	<100	<100	110	<100	<100
Anthracene	<100 µg/kg	TM157			<100	<100	<100	344	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157			270	<100	130	836	250	185
Benzo(b)fluoranthene	<100 µg/kg	TM157			241	<100	143	552	252	203
Benzo(k)fluoranthene	<100 µg/kg	TM157			236	<100	121	611	217	154
Benzo(a)pyrene	<100 µg/kg	TM157			274	<100	147	739	252	190
Benzo(g,h,i)perylene	<100 µg/kg	TM157			171	<100	<100	347	162	144
Chrysene	<100 µg/kg	TM157			366	<100	176	831	325	244
Fluoranthene	<100 µg/kg	TM157			484	121	226	1710	412	292
Fluorene	<100 µg/kg	TM157			<100	<100	<100	126	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			148	<100	<100	314	135	116
Phenanthrene	<100 µg/kg	TM157			281	<100	129	1160	283	241
Pyrene	<100 µg/kg	TM157			482	127	205	1510	388	275
Naphthalene	<100 µg/kg	TM157			<100	<100	<100	111	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP41	P1TP41	P1TP41	P1TP42	P1TP42	P1TP42
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.30	1.10	1.60	0.20	1.00	1.60
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689288	8689289	8689290	8689285	8689286	8689287
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
Phenol	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157			<100	<100	<100	<100	<100	291
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		P1TP41	P1TP41	P1TP41	P1TP42	P1TP42	P1TP42
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.30	1.10	1.60	0.20	1.00	1.60
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689288	8689289	8689290	8689285	8689286	8689287
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&*&\$@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
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	326	<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			127	336	<100	138	<100	149
Benzo(b)fluoranthene	<100 µg/kg	TM157			116	300	<100	163	<100	153
Benzo(k)fluoranthene	<100 µg/kg	TM157			<100	268	<100	129	<100	143
Benzo(a)pyrene	<100 µg/kg	TM157			116	299	<100	159	<100	165
Benzo(g,h,i)perylene	<100 µg/kg	TM157			<100	201	<100	<100	<100	123
Chrysene	<100 µg/kg	TM157			157	403	<100	186	128	199
Fluoranthene	<100 µg/kg	TM157			175	534	<100	196	<100	176
Fluorene	<100 µg/kg	TM157			<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157			<100	171	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157			<100	399	116	138	<100	115
Pyrene	<100 µg/kg	TM157			154	448	<100	185	<100	164
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



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP2	P1TP2	P1TP3	P1TP3	P1TP4	P1TP4
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.40	0.60	0.20	0.70	0.30	0.50
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
(F)	Trigger breach confirmed		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
1-5&*&\$@	Sample deviation (see appendix)		8689189	8689190	8689191	8689192	8689195	8689196
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	70	72	90	97	76	39
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	3230	5930	3200	4030	2800	1810
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	27.7	226	14.3	62.4	17.6	<10
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	294	243	36.2	389	33	382
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	10.7	24.5	14.3	4.3	<3	90.7
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	7.46	13.9	9.87	6.45	9.9	13
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	39.5	<3	<3	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	53.4	9.87	<9	9.9	13
sum of detected BTEX by GC	<24 µg/kg	TM089	332	547	74.7	456	60.5	486
Aliphatics >C5-C6	<10 µg/kg	TM089	37.3	28.8	43.9	17.2	45.1	22.7
Aliphatics >C6-C8	<10 µg/kg	TM089	203	322	150	493	123	127
Aliphatics >C8-C10	<10 µg/kg	TM089	455	801	530	400	369	176
Aliphatics >C10-C12	<10 µg/kg	TM089	1140	2210	1230	1440	1170	585
Aliphatics >C12-C16	<100 µg/kg	TM173	171000	122000	32600	44100	91200	38800
Aliphatics >C16-C21	<100 µg/kg	TM173	145000	103000	39200	12100	88100	37300
Aliphatics >C21-C35	<100 µg/kg	TM173	270000	363000	60600	317000	92800	113000
Aliphatics >C35-C44	<100 µg/kg	TM173	96900	143000	17100	101000	33400	28200
Total Aliphatics >C12-C44	<100 µg/kg	TM173	683000	730000	150000	475000	306000	217000
Aromatics >EC5-EC7	<10 µg/kg	TM089	27.7	226	14.3	62.4	17.6	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	294	243	36.2	389	33	382
Aromatics >EC8-EC10	<10 µg/kg	TM089	322	611	378	276	256	131
Aromatics >EC10-EC12	<10 µg/kg	TM089	758	1480	819	957	781	390
Aromatics >EC12-EC16	<100 µg/kg	TM173	47200	32100	9920	18700	35800	15800
Aromatics >EC16-EC21	<100 µg/kg	TM173	103000	74300	30900	37200	62800	38700
Aromatics >EC21-EC35	<100 µg/kg	TM173	224000	231000	77200	210000	87700	130000
Aromatics >EC35-EC44	<100 µg/kg	TM173	82900	94300	26900	82300	30300	39700
Aromatics >EC40-EC44	<100 µg/kg	TM173	32300	36100	10400	31100	11700	15300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	457000	432000	145000	349000	217000	225000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	1140000	1170000	298000	827000	525000	444000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP5	P1TP5	P1TP6	P1TP6	P1TP7	P1TP7
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.20	0.90	0.20	0.60	0.30	1.00
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.		8689197	8689198	8689199	8689200	8689202	8689203
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	92	89	76	108	70	70
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	2440	4560	2860	7280	3870	4640
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	14.4	33.7	15.4	32	15.5	15.7
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	30	98.8	37.3	81.2	33.3	50.4
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	8.88	<3	11	31	12.2	<3
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	8.88	9.77	12.1	24.6	8.88	8.96
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	17.8	<3	18.6	<3	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	26.7	9.77	30.7	24.6	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	80	142	94.4	169	61	66.1
Aliphatics >C5-C6	<10 µg/kg	TM089	38.9	51	36.2	87.6	34.4	31.4
Aliphatics >C6-C8	<10 µg/kg	TM089	102	563	148	378	142	158
Aliphatics >C8-C10	<10 µg/kg	TM089	305	551	422	1160	562	731
Aliphatics >C10-C12	<10 µg/kg	TM089	1030	1730	1120	2820	1610	1890
Aliphatics >C12-C16	<100 µg/kg	TM173	27400	49100	62000	33500	58700	85600
Aliphatics >C16-C21	<100 µg/kg	TM173	28000	44300	60300	34700	58600	86900
Aliphatics >C21-C35	<100 µg/kg	TM173	29400	304000	48800	40200	57100	85400
Aliphatics >C35-C44	<100 µg/kg	TM173	7660	98100	12900	10600	17800	26600
Total Aliphatics >C12-C44	<100 µg/kg	TM173	92500	496000	184000	119000	192000	285000
Aromatics >EC5-EC7	<10 µg/kg	TM089	14.4	33.7	15.4	32	15.5	15.7
Aromatics >EC7-EC8	<10 µg/kg	TM089	30	98.8	37.3	81.2	33.3	50.4
Aromatics >EC8-EC10	<10 µg/kg	TM089	239	377	324	829	395	497
Aromatics >EC10-EC12	<10 µg/kg	TM089	686	1150	749	1880	1070	1260
Aromatics >EC12-EC16	<100 µg/kg	TM173	5430	19000	21800	14900	19200	24800
Aromatics >EC16-EC21	<100 µg/kg	TM173	15200	40800	44100	30900	41800	57700
Aromatics >EC21-EC35	<100 µg/kg	TM173	31200	237000	57700	52600	57900	84400
Aromatics >EC35-EC44	<100 µg/kg	TM173	12500	75400	21200	23100	22200	30300
Aromatics >EC40-EC44	<100 µg/kg	TM173	5250	26900	8530	9610	9040	11800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	64400	372000	145000	121000	141000	197000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	159000	873000	332000	248000	337000	486000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP8	P1TP8	P1TP9	P1TP9	P1TP10	P1TP10
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.20	0.60	0.20	0.60	0.20	0.90
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.		8689204	8689205	8689206	8689207	8689209	8689210
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	47	113	60	59	48	30
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	2520	4550	4460	3430	2140	2630
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	10.9	17.3	17.3	13	11	<10
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	27.3	57.5	34.6	25.9	37.4	17.6
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<3	21.7	<3	5.41	4.4	<3
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	7.64	17.3	7.56	<6	<6	7.7
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	40.1	<3	<3	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	57.4	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	38.2	154	51.9	44.3	52.8	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	18.6	57.5	35.6	30.3	37.4	29.7
Aliphatics >C6-C8	<10 µg/kg	TM089	80.8	241	136	112	121	182
Aliphatics >C8-C10	<10 µg/kg	TM089	377	775	651	461	277	422
Aliphatics >C10-C12	<10 µg/kg	TM089	1050	1680	1890	1480	878	1010
Aliphatics >C12-C16	<100 µg/kg	TM173	50800	28200	42900	51900	50700	23600
Aliphatics >C16-C21	<100 µg/kg	TM173	50700	32200	52100	60100	61100	33800
Aliphatics >C21-C35	<100 µg/kg	TM173	50400	30700	59200	72100	67900	55800
Aliphatics >C35-C44	<100 µg/kg	TM173	12900	8480	24300	27300	23100	17400
Total Aliphatics >C12-C44	<100 µg/kg	TM173	165000	99500	178000	211000	203000	131000
Aromatics >EC5-EC7	<10 µg/kg	TM089	10.9	17.3	17.3	13	11	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	27.3	57.5	34.6	25.9	37.4	17.6
Aromatics >EC8-EC10	<10 µg/kg	TM089	260	596	443	317	195	290
Aromatics >EC10-EC12	<10 µg/kg	TM089	700	1120	1260	987	585	672
Aromatics >EC12-EC16	<100 µg/kg	TM173	19900	7460	7340	10600	12500	8160
Aromatics >EC16-EC21	<100 µg/kg	TM173	42800	22200	23700	30900	33300	20500
Aromatics >EC21-EC35	<100 µg/kg	TM173	65200	36200	41500	58500	59000	43800
Aromatics >EC35-EC44	<100 µg/kg	TM173	22800	14000	18200	24800	26400	18900
Aromatics >EC40-EC44	<100 µg/kg	TM173	8770	5790	7920	10500	11600	8310
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	151000	79900	90700	125000	131000	91300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	318000	184000	274000	340000	336000	224000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP10	P1TP11	P1TP11	P1TP12	P1TP12	P1TP13
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.20	0.20	0.60	0.30	0.70	0.20
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		13/01/2014	14/01/2014	14/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.		8689213	8689281	8689282	8689236	8689237	8689233
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	23	64	68	81	56	45
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	2770	3400	3050	1570	2500	2300
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<10	14.4	15.4	16.7	<10	12
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	19.5	37.7	29.6	31.1	21.9	26.1
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<3	<3	<3	4.44	<3	5.44
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<6	12.2	11	7.77	7.67	<6
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	<3	<3	12.2	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	12.2	11	20	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	64.3	56	72.2	<24	43.5
Aliphatics >C5-C6	<10 µg/kg	TM089	19.5	31.1	40.6	37.7	21.9	30.5
Aliphatics >C6-C8	<10 µg/kg	TM089	96.6	176	151	119	83.2	104
Aliphatics >C8-C10	<10 µg/kg	TM089	404	579	467	188	351	306
Aliphatics >C10-C12	<10 µg/kg	TM089	1170	1300	1210	617	1060	964
Aliphatics >C12-C16	<100 µg/kg	TM173	14300	56300	22000	25300	42600	57600
Aliphatics >C16-C21	<100 µg/kg	TM173	16900	58500	25900	31500	49700	57800
Aliphatics >C21-C35	<100 µg/kg	TM173	16000	72000	30000	47800	56200	139000
Aliphatics >C35-C44	<100 µg/kg	TM173	3980	24000	7310	14200	15300	65300
Total Aliphatics >C12-C44	<100 µg/kg	TM173	51100	211000	85100	119000	164000	320000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	14.4	15.4	16.7	<10	12
Aromatics >EC7-EC8	<10 µg/kg	TM089	19.5	37.7	29.6	31.1	21.9	26.1
Aromatics >EC8-EC10	<10 µg/kg	TM089	272	398	323	150	242	214
Aromatics >EC10-EC12	<10 µg/kg	TM089	781	864	807	412	708	642
Aromatics >EC12-EC16	<100 µg/kg	TM173	4460	15300	8250	5730	9250	14000
Aromatics >EC16-EC21	<100 µg/kg	TM173	12000	38900	21500	20100	29300	37000
Aromatics >EC21-EC35	<100 µg/kg	TM173	22900	63900	37400	46400	52600	81200
Aromatics >EC35-EC44	<100 µg/kg	TM173	12400	21900	12000	15600	18000	34300
Aromatics >EC40-EC44	<100 µg/kg	TM173	5840	8360	4670	5700	7020	12900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	51800	140000	79100	87900	109000	167000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	106000	354000	167000	208000	275000	489000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP13	P1TP14	P1TP14	P1TP14	P1TP15	P1TP15
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.05	0.30	1.10	1.70	0.30	1.10
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.		8689234	8689230	8689231	8689232	8689226	8689227
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	40	56	71	29	35	78
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	2860	5240	3270	2310	2690	7640
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<10	14.1	20.6	<10	<10	28.6
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	37.4	27	112	25.7	12.1	69.3
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<3	<3	9.77	<3	<3	<3
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<6	<6	13	6.41	<6	27.5
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	6.6	<3	16.3	<3	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	29.3	<9	<9	27.5
sum of detected BTEX by GC	<24 µg/kg	TM089	37.4	41.1	172	25.7	<24	125
Aliphatics >C5-C6	<10 µg/kg	TM089	28.6	31.3	30.4	16	14.2	66
Aliphatics >C6-C8	<10 µg/kg	TM089	117	158	138	78	78.9	419
Aliphatics >C8-C10	<10 µg/kg	TM089	438	889	469	325	421	1480
Aliphatics >C10-C12	<10 µg/kg	TM089	1160	2110	1290	982	1120	2740
Aliphatics >C12-C16	<100 µg/kg	TM173	53900	53600	59500	6840	11000	58600
Aliphatics >C16-C21	<100 µg/kg	TM173	54100	133000	60600	7420	12400	57000
Aliphatics >C21-C35	<100 µg/kg	TM173	55000	<100	54900	9060	12400	52200
Aliphatics >C35-C44	<100 µg/kg	TM173	16000	14800	16300	2570	4190	15900
Total Aliphatics >C12-C44	<100 µg/kg	TM173	179000	201000	191000	25900	40000	184000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	14.1	20.6	<10	<10	28.6
Aromatics >EC7-EC8	<10 µg/kg	TM089	37.4	27	112	25.7	12.1	69.3
Aromatics >EC8-EC10	<10 µg/kg	TM089	303	597	352	222	286	1010
Aromatics >EC10-EC12	<10 µg/kg	TM089	771	1410	859	655	746	1820
Aromatics >EC12-EC16	<100 µg/kg	TM173	21300	15300	17300	34200	3600	18500
Aromatics >EC16-EC21	<100 µg/kg	TM173	43500	41200	41400	17000	9360	41000
Aromatics >EC21-EC35	<100 µg/kg	TM173	68700	61800	55500	10700	16700	56900
Aromatics >EC35-EC44	<100 µg/kg	TM173	25800	11400	19000	3100	7370	24000
Aromatics >EC40-EC44	<100 µg/kg	TM173	10100	1790	7780	1110	3010	9570
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	159000	130000	133000	65000	37100	140000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	341000	336000	328000	93200	79800	332000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP15	P1TP16	P1TP16	P1TP17	P1TP17	P1TP19
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.70	0.20	0.70	0.30	0.80	0.30
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
(F)	Trigger breach confirmed		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
1-5&*&\$@	Sample deviation (see appendix)		8689228	8689223	8689224	8689220	8689222	8689216
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	43	31	84	84	118	81
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1270	365	994	3610	5330	17600
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<10	<10	<10	10.9	19.4	21.5
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	15.2	4.52	19.5	33.6	37.6	93.8
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<3	<3	6.5	13	<3	<3
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<6	<6	24.9	10.9	15.1	<6
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	<3	7.58	<3	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	32.5	10.9	15.1	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	<24	58.5	68.4	72.1	115
Aliphatics >C5-C6	<10 µg/kg	TM089	12	<10	24.9	35.8	46.2	33.9
Aliphatics >C6-C8	<10 µg/kg	TM089	41.3	33.9	83.4	126	196	675
Aliphatics >C8-C10	<10 µg/kg	TM089	165	50.9	168	624	960	3360
Aliphatics >C10-C12	<10 µg/kg	TM089	548	138	323	1400	2050	6730
Aliphatics >C12-C16	<100 µg/kg	TM173	2340	11200	18500	48900	17700	49000
Aliphatics >C16-C21	<100 µg/kg	TM173	1250	13000	15700	45800	12700	54400
Aliphatics >C21-C35	<100 µg/kg	TM173	2800	11100	22200	40500	9730	74400
Aliphatics >C35-C44	<100 µg/kg	TM173	700	2580	5780	8320	1220	27600
Total Aliphatics >C12-C44	<100 µg/kg	TM173	7090	37800	62200	144000	41400	205000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	10.9	19.4	21.5
Aromatics >EC7-EC8	<10 µg/kg	TM089	15.2	<10	19.5	33.6	37.6	93.8
Aromatics >EC8-EC10	<10 µg/kg	TM089	114	36.2	151	439	655	2240
Aromatics >EC10-EC12	<10 µg/kg	TM089	366	91.5	216	934	1370	4490
Aromatics >EC12-EC16	<100 µg/kg	TM173	2540	4340	5490	17200	4710	14100
Aromatics >EC16-EC21	<100 µg/kg	TM173	4550	10700	13500	35200	10100	38100
Aromatics >EC21-EC35	<100 µg/kg	TM173	7400	15700	34200	55600	18900	72200
Aromatics >EC35-EC44	<100 µg/kg	TM173	3280	5230	16500	19700	8360	26500
Aromatics >EC40-EC44	<100 µg/kg	TM173	1360	1930	6200	7130	3040	11200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	17800	36000	69700	128000	42100	151000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	26100	74100	133000	275000	88800	374000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP19	P1TP19	P1TP20	P1TP20	P1TP22	P1TP22
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.00	1.20	0.20	0.30	0.30	1.00
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		13/01/2014	13/01/2014	13/01/2014	13/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
(F)	Trigger breach confirmed		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
1-5&*&\$@	Sample deviation (see appendix)		8689217	8689219	8689214	8689215	8689284	8689283
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	101	82	70	46	80	76
				2				
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	8210	11100	2180	2990	1870	2180
			M	2 M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	2 M	M	M	M	M
Benzene	<10 µg/kg	TM089	13.9	47.7	35.8	155	<10	<10
			M	2 M	M	M	M	M
Toluene	<2 µg/kg	TM089	49.9	<2	209	899	<2	<2
			M	2 M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<3	<3	14.1	26.1	<3	<3
			M	2 M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	25.5	11.1	13	16.7	<6	<6
			M	2 M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	<3	15.2	15.7	22.8	26.2
			M	2 M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	25.5	11.1	28.2	32.4	22.8	26.2
				2				
sum of detected BTEX by GC	<24 µg/kg	TM089	89.3	58.8	287	1110	<24	26.2
				2				
Aliphatics >C5-C6	<10 µg/kg	TM089	54.5	83.3	52.1	53.3	<10	<10
				2				
Aliphatics >C6-C8	<10 µg/kg	TM089	382	639	159	405	115	150
				2				
Aliphatics >C8-C10	<10 µg/kg	TM089	1660	2290	288	272	440	497
				2				
Aliphatics >C10-C12	<10 µg/kg	TM089	2950	3920	723	582	596	701
				2				
Aliphatics >C12-C16	<100 µg/kg	TM173	55100	175000	42600	94200	15300	28700
Aliphatics >C16-C21	<100 µg/kg	TM173	54700	164000	51800	71000	39000	61300
Aliphatics >C21-C35	<100 µg/kg	TM173	69800	740000	103000	111000	166000	192000
Aliphatics >C35-C44	<100 µg/kg	TM173	20600	209000	38100	35700	34400	56300
Total Aliphatics >C12-C44	<100 µg/kg	TM173	200000	1290000	235000	312000	254000	338000
Aromatics >EC5-EC7	<10 µg/kg	TM089	13.9	47.7	35.8	155	<10	<10
				2				
Aromatics >EC7-EC8	<10 µg/kg	TM089	49.9	<10	209	899	<10	<10
				2				
Aromatics >EC8-EC10	<10 µg/kg	TM089	1130	1540	233	240	317	358
				2				
Aromatics >EC10-EC12	<10 µg/kg	TM089	1960	2620	482	388	397	468
				2				
Aromatics >EC12-EC16	<100 µg/kg	TM173	20600	62300	11000	23900	5470	5810
Aromatics >EC16-EC21	<100 µg/kg	TM173	45100	121000	32600	36000	32800	30700
Aromatics >EC21-EC35	<100 µg/kg	TM173	74400	458000	91900	92400	189000	171000
Aromatics >EC35-EC44	<100 µg/kg	TM173	24200	89300	38800	40600	65700	66600
Aromatics >EC40-EC44	<100 µg/kg	TM173	9170	23800	15600	15500	26100	25800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	164000	731000	174000	193000	293000	274000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	373000	2030000	411000	508000	549000	614000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP23	P1TP23	P1TP24	P1TP24	P1TP25	P1TP25
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.20	0.50	0.30	0.75	0.30	0.75
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.		8689238	8689239	8689241	8689242	8689243	8689244
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	99	113	113	99	83	84
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	785	1120	459	571	3240	1120
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<10	<10	<10	<10	28.6	<10
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	22.6	4.56	<2	2.26	83.6	8.88
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	3.39	5.7	<3	3.39	14.3	3.33
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<6	<6	<6	<6	7.7	<6
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	10.3	<3	4.52	31.9	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	10.3	<9	<9	39.6	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	26	<24	<24	<24	166	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	29.4	11.4	<10	10.2	29.7	20
Aliphatics >C6-C8	<10 µg/kg	TM089	76.8	60.4	25.1	42.9	145	58.8
Aliphatics >C8-C10	<10 µg/kg	TM089	110	220	68.4	111	491	168
Aliphatics >C10-C12	<10 µg/kg	TM089	270	392	185	191	1250	445
Aliphatics >C12-C16	<100 µg/kg	TM173	28500	7590	36500	20200	83000	36800
Aliphatics >C16-C21	<100 µg/kg	TM173	33400	22800	64700	46700	85400	56000
Aliphatics >C21-C35	<100 µg/kg	TM173	107000	114000	166000	198000	140000	146000
Aliphatics >C35-C44	<100 µg/kg	TM173	35300	13900	52600	58700	57500	48900
Total Aliphatics >C12-C44	<100 µg/kg	TM173	205000	158000	320000	324000	366000	287000
Aromatics >EC5-EC7	<10 µg/kg	TM089	10.2	<10	<10	<10	28.6	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	22.6	<10	<10	<10	83.6	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	82.5	166	51.3	84.8	381	120
Aromatics >EC10-EC12	<10 µg/kg	TM089	180	262	123	128	832	296
Aromatics >EC12-EC16	<100 µg/kg	TM173	12700	1660	9090	2820	27300	15200
Aromatics >EC16-EC21	<100 µg/kg	TM173	30200	13600	35400	23700	59300	46500
Aromatics >EC21-EC35	<100 µg/kg	TM173	93600	134000	158000	167000	123000	144000
Aromatics >EC35-EC44	<100 µg/kg	TM173	36600	34000	68900	63900	40300	63800
Aromatics >EC40-EC44	<100 µg/kg	TM173	14400	13000	26900	25500	16300	26300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	173000	183000	271000	257000	250000	269000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	379000	342000	591000	581000	619000	558000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP26	P1TP26	P1TP27	P1TP27	P1TP28	P1TP28
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.20	0.90	0.20	0.90	0.30	1.00
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.		8689247	8689249	8689258	8689262	8689250	8689254
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	68	79	50	45	18	120
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	4930	5500	3880	4090	1410	5890
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	14.3	18.7	<10	<10	<10	30
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	44	58.3	29.7	40.2	6.56	107
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	19.8	4.4	<3	10.9	<3	26.6
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	<6	<6	11	13	<6	22.2
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	<3	<3	<3	<3	44.4
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	<9	11	13	<9	66.6
sum of detected BTEX by GC	<24 µg/kg	TM089	78.1	81.4	40.7	64.1	<24	230
Aliphatics >C5-C6	<10 µg/kg	TM089	56.1	52.8	19.8	25	<10	46.6
Aliphatics >C6-C8	<10 µg/kg	TM089	215	244	101	142	60.2	270
Aliphatics >C8-C10	<10 µg/kg	TM089	809	875	676	720	200	1070
Aliphatics >C10-C12	<10 µg/kg	TM089	1930	2190	1550	1600	594	2130
Aliphatics >C12-C16	<100 µg/kg	TM173	60900	83900	37700	41900	5030	28900
Aliphatics >C16-C21	<100 µg/kg	TM173	67600	86600	39800	49000	6720	29700
Aliphatics >C21-C35	<100 µg/kg	TM173	229000	115000	31800	50300	5840	41500
Aliphatics >C35-C44	<100 µg/kg	TM173	183000	50900	7320	14300	1960	9880
Total Aliphatics >C12-C44	<100 µg/kg	TM173	541000	336000	117000	155000	19600	110000
Aromatics >EC5-EC7	<10 µg/kg	TM089	14.3	18.7	<10	<10	<10	30
Aromatics >EC7-EC8	<10 µg/kg	TM089	44	58.3	29.7	40.2	<10	107
Aromatics >EC8-EC10	<10 µg/kg	TM089	564	592	462	493	137	808
Aromatics >EC10-EC12	<10 µg/kg	TM089	1290	1460	1030	1060	396	1420
Aromatics >EC12-EC16	<100 µg/kg	TM173	25900	15600	15900	11800	<100	12900
Aromatics >EC16-EC21	<100 µg/kg	TM173	50400	36700	36400	29300	<100	29500
Aromatics >EC21-EC35	<100 µg/kg	TM173	83400	70300	50400	45700	<100	53000
Aromatics >EC35-EC44	<100 µg/kg	TM173	39700	32900	18400	21800	<100	18100
Aromatics >EC40-EC44	<100 µg/kg	TM173	17200	13900	7360	9680	<100	7200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	199000	156000	121000	109000	<100	114000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	746000	497000	241000	268000	20400	229000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP28	P1TP29	P1TP29	P1TP29	P1TP30	P1TP30
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.40	0.20	0.90	1.40	0.20	1.00
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.		8689257	8689264	8689266	8689267	8689269	8689270
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	34	28	77	58	59	45
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	4260	1040	4140	2710	3040	1220
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<10	<10	13.2	15.1	<10	<10
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	41.4	19.7	62.7	44.2	27.5	11
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<3	4.37	<3	<3	<3	<3
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	12.3	14.2	9.9	14	16.5	7.68
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	<3	<3	<3	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	12.3	14.2	9.9	14	16.5	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	53.7	38.3	85.8	73.3	44	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	22.4	22.9	37.4	41	25.3	11
Aliphatics >C6-C8	<10 µg/kg	TM089	193	87.4	156	114	99	73.5
Aliphatics >C8-C10	<10 µg/kg	TM089	783	132	693	367	416	227
Aliphatics >C10-C12	<10 µg/kg	TM089	1600	397	1630	1120	1300	441
Aliphatics >C12-C16	<100 µg/kg	TM173	48400	32500	41500	51400	39200	20600
Aliphatics >C16-C21	<100 µg/kg	TM173	45300	37100	45800	52000	48200	59300
Aliphatics >C21-C35	<100 µg/kg	TM173	52800	39900	52600	67800	63000	206000
Aliphatics >C35-C44	<100 µg/kg	TM173	15400	8200	12000	21000	22600	58800
Total Aliphatics >C12-C44	<100 µg/kg	TM173	162000	118000	152000	192000	173000	344000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	13.2	15.1	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	41.4	19.7	62.7	44.2	27.5	11
Aromatics >EC8-EC10	<10 µg/kg	TM089	534	107	472	258	294	159
Aromatics >EC10-EC12	<10 µg/kg	TM089	1070	265	1080	750	868	294
Aromatics >EC12-EC16	<100 µg/kg	TM173	16600	11200	27200	18400	12200	5950
Aromatics >EC16-EC21	<100 µg/kg	TM173	34600	28000	45200	37600	32100	33800
Aromatics >EC21-EC35	<100 µg/kg	TM173	52900	55800	75200	70400	69300	212000
Aromatics >EC35-EC44	<100 µg/kg	TM173	20000	21200	28900	26300	30300	77400
Aromatics >EC40-EC44	<100 µg/kg	TM173	7830	7840	12100	10300	12200	31100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	124000	116000	177000	153000	144000	329000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	290000	235000	333000	347000	320000	675000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP30	P1TP31	P1TP31	P1TP31	P1TP32	P1TP32
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.90	0.20	0.90	1.10	0.20	0.70
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
(F)	Trigger breach confirmed		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
1-5&*&\$@	Sample deviation (see appendix)		8689272	8689275	8689276	8689277	8689279	8689280
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	60	88	87	71	107	110
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1650	2920	2660	2150	108	5150
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<10	19.5	12.1	15.2	<10	<10
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	14.4	39.1	24.2	28.2	2.09	26.2
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	<3	5.43	5.5	4.34	<3	14.2
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	6.66	9.77	<6	6.5	<6	12
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	<3	<3	<3	<3	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	9.77	<9	<9	<9	12
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	73.8	41.8	47.7	<24	52.4
Aliphatics >C5-C6	<10 µg/kg	TM089	18.9	47.7	27.5	30.4	<10	42.5
Aliphatics >C6-C8	<10 µg/kg	TM089	110	143	110	106	15.7	164
Aliphatics >C8-C10	<10 µg/kg	TM089	305	394	332	272	20.9	784
Aliphatics >C10-C12	<10 µg/kg	TM089	589	1200	1160	906	29.3	2140
Aliphatics >C12-C16	<100 µg/kg	TM173	44300	35500	61400	70800	837	68900
Aliphatics >C16-C21	<100 µg/kg	TM173	56300	53600	69800	79400	1730	68200
Aliphatics >C21-C35	<100 µg/kg	TM173	88200	114000	75600	102000	870	76500
Aliphatics >C35-C44	<100 µg/kg	TM173	26300	34400	24400	36800	261	24600
Total Aliphatics >C12-C44	<100 µg/kg	TM173	215000	237000	231000	289000	3700	238000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	19.5	12.1	15.2	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	14.4	39.1	24.2	28.2	<10	26.2
Aromatics >EC8-EC10	<10 µg/kg	TM089	211	278	233	192	15.7	549
Aromatics >EC10-EC12	<10 µg/kg	TM089	393	797	770	604	18.8	1430
Aromatics >EC12-EC16	<100 µg/kg	TM173	12400	7760	15700	18100	<100	22900
Aromatics >EC16-EC21	<100 µg/kg	TM173	37600	32700	42800	48200	1440	49900
Aromatics >EC21-EC35	<100 µg/kg	TM173	98900	130000	74400	79800	3630	77800
Aromatics >EC35-EC44	<100 µg/kg	TM173	39000	43800	30600	27000	1830	26200
Aromatics >EC40-EC44	<100 µg/kg	TM173	16000	17600	12800	9980	759	10100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	188000	214000	163000	173000	6930	177000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	405000	455000	397000	464000	10700	420000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP39	P1TP39	P1TP39	P1TP40	P1TP40	P1TP40
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	P1TP39	P1TP39	P1TP39	P1TP40	P1TP40	P1TP40
M	mCERTS accredited.		0.20	1.00	1.80	0.20	0.80	1.00
aq	Aqueous / settled sample.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
diss.filt	Dissolved / filtered sample.		14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
tot.unfilt	Total / unfiltered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
*	Subcontracted test.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		8689294	8689295	8689296	8689291	8689293	8689292
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	96	91	83	103	86	59
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	1700	1720	1660	1500	2190	1720
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<10	<10	<10	19.3	<10	<10
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	15.7	6.6	<2	30	<2	4.33
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	19	<3	<3	9.64	<3	<3
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	10.1	<6	<6	33.2	10.9	<6
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	16.8	<3	<3	11.8	27.1	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	26.9	<9	<9	45	38	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	61.6	<24	<24	104	38	<24
Aliphatics >C5-C6	<10 µg/kg	TM089	20.2	<10	12.2	47.1	13	<10
Aliphatics >C6-C8	<10 µg/kg	TM089	138	113	129	156	174	98.6
Aliphatics >C8-C10	<10 µg/kg	TM089	426	345	483	295	620	466
Aliphatics >C10-C12	<10 µg/kg	TM089	457	606	425	423	561	494
Aliphatics >C12-C16	<100 µg/kg	TM173	21000	5880	30700	25000	35900	25000
Aliphatics >C16-C21	<100 µg/kg	TM173	50300	15500	71800	37800	87400	68600
Aliphatics >C21-C35	<100 µg/kg	TM173	161000	51800	209000	129000	251000	213000
Aliphatics >C35-C44	<100 µg/kg	TM173	30800	15800	48300	38600	63700	57800
Total Aliphatics >C12-C44	<100 µg/kg	TM173	263000	88900	360000	230000	438000	364000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	<10	19.3	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089	15.7	<10	<10	30	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	330	230	327	252	450	315
Aromatics >EC10-EC12	<10 µg/kg	TM089	305	404	283	282	374	329
Aromatics >EC12-EC16	<100 µg/kg	TM173	8380	3080	9660	8630	12900	10300
Aromatics >EC16-EC21	<100 µg/kg	TM173	39100	12400	57500	31000	65100	61500
Aromatics >EC21-EC35	<100 µg/kg	TM173	172000	53800	269000	117000	283000	283000
Aromatics >EC35-EC44	<100 µg/kg	TM173	66500	24500	91800	63600	90900	118000
Aromatics >EC40-EC44	<100 µg/kg	TM173	27400	10100	37500	28400	35800	42500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	286000	93900	428000	220000	452000	472000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	550000	184000	789000	452000	892000	839000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

TPH CWG (S)

Results Legend		Customer Sample Ref.	P1TP41	P1TP41	P1TP41	P1TP42	P1TP42	P1TP42
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	P1TP41	P1TP41	P1TP41	P1TP42	P1TP42	P1TP42
M	mCERTS accredited.		0.30	1.10	1.60	0.20	1.00	1.60
aq	Aqueous / settled sample.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
diss.filt	Dissolved / filtered sample.		14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
tot.unfilt	Total / unfiltered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
*	Subcontracted test.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		8689288	8689289	8689290	8689285	8689286	8689287
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
GRO Surrogate % recovery**	%	TM089	78	82	50	82	84	113
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089	719	1270	15400	86.3	533	797
			M	M	M	M	M	M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5	<5	<5	<5	<5	<5
			M	M	M	M	M	M
Benzene	<10 µg/kg	TM089	<10	<10	438	<10	<10	24.4
			M	M	M	M	M	M
Toluene	<2 µg/kg	TM089	5.6	5.44	13.5	<2	2.22	2.22
			M	M	M	M	M	M
Ethylbenzene	<3 µg/kg	TM089	6.72	<3	<3	<3	<3	4.44
			M	M	M	M	M	M
m,p-Xylene	<6 µg/kg	TM089	10.1	13.1	11.4	<6	<6	<6
			M	M	M	M	M	M
o-Xylene	<3 µg/kg	TM089	7.84	<3	<3	<3	<3	<3
			M	M	M	M	M	M
sum of detected mpo xylene by GC	<9 µg/kg	TM089	17.9	13.1	11.4	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089	30.2	<24	463	<24	<24	31.1
Aliphatics >C5-C6	<10 µg/kg	TM089	13.4	<10	43.7	<10	<10	11.1
Aliphatics >C6-C8	<10 µg/kg	TM089	77.3	90.3	461	<10	23.3	59.9
Aliphatics >C8-C10	<10 µg/kg	TM089	157	348	1080	17.5	89.9	175
Aliphatics >C10-C12	<10 µg/kg	TM089	198	343	7570	28.4	208	239
Aliphatics >C12-C16	<100 µg/kg	TM173	4910	20300	45200	16500	13600	19200
Aliphatics >C16-C21	<100 µg/kg	TM173	18100	72800	33100	48700	46100	45800
Aliphatics >C21-C35	<100 µg/kg	TM173	71900	187000	105000	167000	165000	161000
Aliphatics >C35-C44	<100 µg/kg	TM173	14000	49500	30200	63000	56000	57200
Total Aliphatics >C12-C44	<100 µg/kg	TM173	109000	330000	213000	296000	281000	284000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10	438	<10	<10	24.4
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10	13.5	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089	129	245	734	12	59.9	123
Aromatics >EC10-EC12	<10 µg/kg	TM089	132	228	5050	19.7	138	159
Aromatics >EC12-EC16	<100 µg/kg	TM173	2510	10300	21900	5420	2470	5120
Aromatics >EC16-EC21	<100 µg/kg	TM173	16600	70000	24500	39400	26400	29100
Aromatics >EC21-EC35	<100 µg/kg	TM173	99800	250000	121000	214000	164000	147000
Aromatics >EC35-EC44	<100 µg/kg	TM173	35800	88500	47500	85800	71900	63300
Aromatics >EC40-EC44	<100 µg/kg	TM173	13600	33200	18000	34500	28600	24900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	155000	419000	215000	344000	264000	244000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	264000	750000	444000	640000	546000	529000



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP2		P1TP2		P1TP3		P1TP3		P1TP4		P1TP4	
#	ISO17025 accredited.		0.40	0.60	0.20	0.70	0.30	0.50	0.30	0.50	0.30	0.50	0.30	0.50
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014	Soil/Solid 13/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689189	15/01/2014 140115-93 8689190	15/01/2014 140115-93 8689191	15/01/2014 140115-93 8689192	15/01/2014 140115-93 8689195	15/01/2014 140115-93 8689196	15/01/2014 140115-93 8689195	15/01/2014 140115-93 8689196	15/01/2014 140115-93 8689195	15/01/2014 140115-93 8689196	15/01/2014 140115-93 8689196	15/01/2014 140115-93 8689196
diss.filt	Dissolved / filtered sample.													
tot.unfilt	Total / unfiltered sample.													
*	Subcontracted test.													
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery													
(F)	Trigger breach confirmed													
1-5&*\$@	Sample deviation (see appendix)													
Component	LOD/Units	Method	P1TP2		P1TP2		P1TP3		P1TP3		P1TP4		P1TP4	
Dibromofluoromethane**	%	TM116	109	114	101	107	112	110						
Toluene-d8**	%	TM116	98.9	99	99.5	97.4	94.2	97.5						
4-Bromofluorobenzene**	%	TM116	101	108	128	118	130	103						
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<4	<4	<4	<80						
Chloromethane	<7 µg/kg	TM116	<140	<140	<7	<7	<7	<140						
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<10	<10	<10	<200						
Bromomethane	<13 µg/kg	TM116	<260	<260	<13	<13	<13	<260						
Chloroethane	<14 µg/kg	TM116	<280	<280	<14	<14	<14	<280						
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<6	<6	<6	<120						
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<10	<10	<10	<200						
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	20.7	13.4	16.8	<140						
Dichloromethane	<10 µg/kg	TM116	<200	<200	<10	<10	<10	<200						
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<11	<11	<11	<220						
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<11	<11	<11	<220						
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<8	<8	<8	<160						
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<5	<5	<5	<100						
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<12	<12	<12	<240						
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<14	<14	<14	<280						
Chloroform	<8 µg/kg	TM116	<160	<160	<8	<8	<8	<160						
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<7	<7	<7	<140						
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<11	<11	<11	<220						
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<14	<14	<14	<280						
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<5	<5	<5	<100						
Benzene	<9 µg/kg	TM116	<180	2740	47.2	188	45.2	953						
Trichloroethene	<9 µg/kg	TM116	<180	<180	<9	<9	<9	<180						
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<12	<12	<12	<240						
Dibromomethane	<9 µg/kg	TM116	<180	<180	<9	<9	<9	<180						
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<7	<7	<7	<140						
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<14	<14	<14	<280						
Toluene	<5 µg/kg	TM116	449	1570	97.5	1120	86.7	4240						
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<2000	<100	<100	<100	<2000						
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<200	<10	<10	<10	<200						



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP2	P1TP2	P1TP3	P1TP3	P1TP4	P1TP4
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.40	0.60	0.20	0.70	0.30	0.50
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689189	8689190	8689191	8689192	8689195	8689196
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<7	<7	<7	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<5	<5	<5	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<13	<13	<13	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<12	<12	<12	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<5	<5	<5	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<10	<10	<10	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	8.46	7.57	6.97	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	19	20.6	<14	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<10	<10	<10	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<10	<10	<10	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<10	<10	<10	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<5	<5	<5	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<10	<10	<10	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<17	<17	<17	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<10	<10	<10	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<11	<11	<11	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<9	<9	<9	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<8	<8	<8	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<12	<12	<12	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<240	<240	<12	<12	<12	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	<180	13	12.4	12.8	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<200	<200	<10	<10	<10	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<11	<11	<11	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<6	<6	<6	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<5	<5	<5	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<10	<10	<10	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<12	<12	<12	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<14	<14	<14	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<15	<15	<15	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<6	<6	<6	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<12	<12	<12	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<13	<13	<13	<260
					M	M	M	M	M	M

SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

[illegible]



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP5	P1TP5	P1TP6	P1TP6	P1TP7	P1TP7
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.20 Soil/Solid 13/01/2014	0.90 Soil/Solid 13/01/2014	0.20 Soil/Solid 13/01/2014	0.60 Soil/Solid 13/01/2014	0.30 Soil/Solid 13/01/2014	1.00 Soil/Solid 13/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689197	15/01/2014 140115-93 8689198	15/01/2014 140115-93 8689199	15/01/2014 140115-93 8689200	15/01/2014 140115-93 8689202	15/01/2014 140115-93 8689203
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	107	104	119	110	121	107
Toluene-d8**	%	TM116	95.4	96.3	102	100	100	98.8
4-Bromofluorobenzene**	%	TM116	130	127	97.2	101	129	109
Dichlorodifluoromethane	<4 µg/kg	TM116	<4	<8	<80	<80	<4	<80
Chloromethane	<7 µg/kg	TM116	<7	<14	<140	<140	<7	<140
Vinyl Chloride	<10 µg/kg	TM116	<10	<20	<200	<200	<10	<200
Bromomethane	<13 µg/kg	TM116	<13	<26	<260	<260	<13	<260
Chloroethane	<14 µg/kg	TM116	<14	<28	<280	<280	<14	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<6	<12	<120	<120	<6	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<10	<20	<200	<200	<10	<200
Carbon Disulphide	<7 µg/kg	TM116	10.7	24.1	<140	<140	21	<140
Dichloromethane	<10 µg/kg	TM116	<10	<20	<200	<200	<10	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<11	<22	<220	<220	<11	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<11	<22	<220	<220	<11	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<8	<16	<160	<160	<8	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<5	<10	<100	<100	<5	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<12	<24	<240	<240	<12	<240
Bromochloromethane	<14 µg/kg	TM116	<14	<28	<280	<280	<14	<280
Chloroform	<8 µg/kg	TM116	<8	<16	<160	<160	<8	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<7	<14	<140	<140	<7	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<11	<22	<220	<220	<11	<220
Carbontetrachloride	<14 µg/kg	TM116	<14	<28	<280	<280	<14	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<5	<10	<100	<100	<5	<100
Benzene	<9 µg/kg	TM116	44.5	168	<180	<180	45.8	<180
Trichloroethene	<9 µg/kg	TM116	<9	<18	<180	<180	<9	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<12	<24	<240	<240	<12	<240
Dibromomethane	<9 µg/kg	TM116	<9	<18	<180	<180	<9	<180
Bromodichloromethane	<7 µg/kg	TM116	<7	<14	<140	<140	<7	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<14	<28	<280	<280	<14	<280
Toluene	<5 µg/kg	TM116	63.9	275	189	156	147	293
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<100	<200	<2000	<2000	<100	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<10	<20	<200	<200	<10	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP5	P1TP5	P1TP6	P1TP6	P1TP7	P1TP7
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.90	0.20	0.60	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689197	8689198	8689199	8689200	8689202	8689203
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<7	<14	<140	<140	<7	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<5	<10	<100	<100	<5	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<13	<26	<260	<260	<13	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<12	<24	<240	<240	<12	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<5	<10	<100	<100	<5	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<10	<20	<200	<200	<10	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			7.16	17.1	<80	<80	10.3	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<14	<28	<280	<280	20.7	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<10	<20	<200	<200	<10	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<10	<20	<200	<200	<10	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<10	<20	<200	<200	<10	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<5	<10	<100	<100	<5	<100
					M	M	M	M	M	M
1,1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<10	<20	<200	<200	<10	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<17	<34	<340	<340	<17	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<10	<20	<200	<200	<10	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<11	<22	<220	<220	<11	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<9	<18	<180	<180	<9	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<8	<16	<160	<160	<8	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<12	<24	<240	<240	<12	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<12	<24	<240	<240	<12	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<9	<18	<180	<180	15.7	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<10	<20	<200	<200	<10	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<11	<22	<220	<220	<11	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<6	<12	<120	<120	<6	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<5	<10	<100	<100	<5	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<10	<20	<200	<200	<10	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<12	<24	<240	<240	<12	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<14	<28	<280	<280	<14	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<15	<30	<300	<300	<15	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<6	<12	<120	<120	<6	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<12	<24	<240	<240	<12	<240
Naphthalene	<13 µg/kg	TM116			<13	<26	<260	<260	<13	<260
					M	M	M	M	M	M

Order Number: CD0593
Report Number: 294616
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SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP8	P1TP8	P1TP9	P1TP9	P1TP10	P1TP10
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.20 Soil/Solid 13/01/2014	0.60 Soil/Solid 13/01/2014	0.20 Soil/Solid 13/01/2014	0.60 Soil/Solid 13/01/2014	0.20 Soil/Solid 13/01/2014	0.90 Soil/Solid 13/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689204	15/01/2014 140115-93 8689205	15/01/2014 140115-93 8689206	15/01/2014 140115-93 8689207	15/01/2014 140115-93 8689209	15/01/2014 140115-93 8689210
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*&\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	112	105	107	109	106	106
Toluene-d8**	%	TM116	102	99.2	100	99.6	98.7	97.4
4-Bromofluorobenzene**	%	TM116	102	124	104	107	109	112
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<4	<80	<80	<80	<80
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	<260	<260	<260	<260
Chloroethane	<14 µg/kg	TM116	<280	<14	<280	<280	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<6	<120	<120	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<10	<200	<200	<200	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	14.2	<140	<140	<140	<140
Dichloromethane	<10 µg/kg	TM116	<200	<10	<200	<200	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<11	<220	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<11	<220	<220	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<8	<160	<160	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<5	<100	<100	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<12	<240	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<14	<280	<280	<280	<280
Chloroform	<8 µg/kg	TM116	<160	<8	<160	<160	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<7	<140	<140	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<11	<220	<220	<220	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<14	<280	<280	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<5	<100	<100	<100	<100
Benzene	<9 µg/kg	TM116	<180	42	<180	<180	<180	<180
Trichloroethene	<9 µg/kg	TM116	<180	<9	<180	<180	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<12	<240	<240	<240	<240
Dibromomethane	<9 µg/kg	TM116	<180	<9	<180	<180	<180	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<7	<140	<140	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<14	<280	<280	<280	<280
Toluene	<5 µg/kg	TM116	184	87	332	175	351	197
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<100	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<10	<200	<200	<200	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP8	P1TP8	P1TP9	P1TP9	P1TP10	P1TP10
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.60	0.20	0.60	0.20	0.90
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689204	8689205	8689206	8689207	8689209	8689210
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<7	<140	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<5	<100	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<13	<260	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<12	<240	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<5	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<10	<200	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	7.75	<80	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	17.3	<280	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<10	<200	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<10	<200	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<10	<200	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<5	<100	<100	<100	<100
					M	M	M	M	M	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	<340	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<10	<200	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<11	<220	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<9	<180	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<8	<160	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<12	<240	<240	<240	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<240	<12	<240	<240	<240	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	11.7	<180	<180	<180	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<200	<10	<200	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<11	<220	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<6	<120	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<5	<100	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<10	<200	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<12	<240	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<14	<280	<280	<280	<280
					M	M	M	M	M	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	<260	<260	<260	<260
					M	M	M	M	M	M

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SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP10	P1TP11	P1TP11	P1TP12	P1TP12	P1TP13
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.20 Soil/Solid 13/01/2014	0.20 Soil/Solid 14/01/2014	0.60 Soil/Solid 14/01/2014	0.30 Soil/Solid 13/01/2014	0.70 Soil/Solid 13/01/2014	0.20 Soil/Solid 13/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689213	15/01/2014 140115-93 8689281	15/01/2014 140115-93 8689282	15/01/2014 140115-93 8689236	15/01/2014 140115-93 8689237	15/01/2014 140115-93 8689233
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	107	108	108	115	107	107
Toluene-d8**	%	TM116	98	101	101	101	101	97.7
4-Bromofluorobenzene**	%	TM116	109	99.5	101	99	101	112
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<80	<80
Chloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116	<260	<260	<260	<260	<260	<260
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<120	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
Benzene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	227
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Toluene	<5 µg/kg	TM116	134	112	155	171	<100	1100
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP10	P1TP11	P1TP11	P1TP12	P1TP12	P1TP13
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.20 Soil/Solid 13/01/2014	0.20 Soil/Solid 14/01/2014	0.60 Soil/Solid 14/01/2014	0.30 Soil/Solid 13/01/2014	0.70 Soil/Solid 13/01/2014	0.20 Soil/Solid 13/01/2014
M	mCERTS accredited.									
aq	Aqueous / settled sample.									
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.				15/01/2014 140115-93 8689213	15/01/2014 140115-93 8689281	15/01/2014 140115-93 8689282	15/01/2014 140115-93 8689236	15/01/2014 140115-93 8689237	15/01/2014 140115-93 8689233
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	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	<200	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

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SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP13	P1TP14	P1TP14	P1TP14	P1TP15	P1TP15
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.05 Soil/Solid 13/01/2014	0.30 Soil/Solid 13/01/2014	1.10 Soil/Solid 13/01/2014	1.70 Soil/Solid 13/01/2014	0.30 Soil/Solid 13/01/2014	1.10 Soil/Solid 13/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689234	15/01/2014 140115-93 8689230	15/01/2014 140115-93 8689231	15/01/2014 140115-93 8689232	15/01/2014 140115-93 8689226	15/01/2014 140115-93 8689227
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	108	110	121	117	108	107
Toluene-d8**	%	TM116	98.8	98.7	102	101	99.1	98.5
4-Bromofluorobenzene**	%	TM116	107	104	97.7	98.4	103	108
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<80	<80
Chloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116	<260	<260	<260	<260	<260	<260
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<120	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
Benzene	<9 µg/kg	TM116	<180	<180	222	<180	<180	<180
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Toluene	<5 µg/kg	TM116	152	109	398	<100	<100	198
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP13	P1TP14	P1TP14	P1TP14	P1TP15	P1TP15
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.05	0.30	1.10	1.70	0.30	1.10
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689234	8689230	8689231	8689232	8689226	8689227
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	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	<200	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M



CERTIFICATE OF ANALYSIS

Validated

SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP13		P1TP14		P1TP14		P1TP14		P1TP15		P1TP15	
#	ISO17025 accredited.		1.05		0.30		1.10		1.70		0.30		1.10	
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid		Soil/Solid	
aq	Aqueous / settled sample.		13/01/2014		13/01/2014		13/01/2014		13/01/2014		13/01/2014		13/01/2014	
diss.filt	Dissolved / filtered sample.	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	15/01/2014		15/01/2014		15/01/2014		15/01/2014		15/01/2014		15/01/2014	
tot.unfilt	Total / unfiltered sample.		140115-93		140115-93		140115-93		140115-93		140115-93		140115-93	
*	Subcontracted test.	Trigger breach confirmed	8689234		8689230		8689231		8689232		8689226		8689227	
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery													
(F)	Trigger breach confirmed	Sample deviation (see appendix)												
1-5&+s@	Sample deviation (see appendix)													
Component		LOD/Units	Method											
1,2,3-Trichlorobenzene		<6 µg/kg	TM116		<120		<120		<120		<120		<120	
					M		M		M		M		M	
							</							



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

Location: Coed Darcy
Customer: Atkins Global Ltd
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Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP15	P1TP16	P1TP16	P1TP17	P1TP17	P1TP19
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.70 Soil/Solid 13/01/2014	0.20 Soil/Solid 13/01/2014	0.70 Soil/Solid 13/01/2014	0.30 Soil/Solid 13/01/2014	0.80 Soil/Solid 13/01/2014	0.30 Soil/Solid 13/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689228	15/01/2014 140115-93 8689223	15/01/2014 140115-93 8689224	15/01/2014 140115-93 8689220	15/01/2014 140115-93 8689222	15/01/2014 140115-93 8689216
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	109	108	110	110	107	96.9
Toluene-d8**	%	TM116	99.5	99.9	99.9	98.6	95	95.4
4-Bromofluorobenzene**	%	TM116	107	98.8	97.8	105	123	130
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<4	<4
Chloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<7	<7
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<200	<200	<10	<10
Bromomethane	<13 µg/kg	TM116	<260	<260	<260	<260	<13	<13
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<14	<14
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<120	<6	<6
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<10	<10
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<7	19.3
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<10	<10
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<11	<11
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<11	<11
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<8	<8
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<5	<5
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<12	<12
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<14	<14
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<8	<8
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<7	<7
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<11	<11
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<14	<14
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<100	<5	<5
Benzene	<9 µg/kg	TM116	<180	<180	<180	<180	22.9	38
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<9	<9
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<12	<12
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<9	<9
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<7	<7
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<14	<14
Toluene	<5 µg/kg	TM116	136	<100	<100	120	42.5	181
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<2000	<2000	<2000	<100	<100
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<200	<200	<200	<10	<10



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP15	P1TP16	P1TP16	P1TP17	P1TP17	P1TP19
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.70	0.20	0.70	0.30	0.80	0.30
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689228	8689223	8689224	8689220	8689222	8689216
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<7	<7
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<5
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<13	<13
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<12
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<5
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<10
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	4.97	5.37
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<14
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<10
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<10
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<10
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<5
					M	M	M	M	M	M
1,1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<10
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<17	<17
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<10
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<11
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<9
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<8	<8
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<12
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<12
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<9
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<10
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<11
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<6	<6
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<5
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<10
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<12
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<14
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<15	<15
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<6	<6
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<12
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<13	<13
					M	M	M	M	M	M

Order Number: CD0593
Report Number: 294616
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SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP19		P1TP19		P1TP20		P1TP20		P1TP22		P1TP22	
#	ISO17025 accredited.		1.00	Soil/Solid	1.20	Soil/Solid	0.20	Soil/Solid	0.30	Soil/Solid	0.30	Soil/Solid	1.00	Soil/Solid
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	13/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
aq	Aqueous / settled sample.													
diss.filt	Dissolved / filtered sample.													
tot.unfilt	Total / unfiltered sample.													
*	Subcontracted test.													
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
(F)	Trigger breach confirmed	Lab Sample No.(s) AGS Reference	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
1-5&*\$@	Sample deviation (see appendix)		8689217	8689219	8689219	8689214	8689215	8689215	8689215	8689215	8689284	8689284	8689283	8689283
Component	LOD/Units	Method	P1TP19		P1TP19		P1TP20		P1TP20		P1TP22		P1TP22	
Dibromofluoromethane**	%	TM116	108		110		88.4		108		112		109	
Toluene-d8**	%	TM116	101		101		93.7		97.2		99.5		98.9	
4-Bromofluorobenzene**	%	TM116	130		99.5		138		113		104		107	
Dichlorodifluoromethane	<4 µg/kg	TM116	<4	M	<80	M	<4	M	<80	M	<80	M	<80	M
Chloromethane	<7 µg/kg	TM116	<7		368		<7		<140		<140		<140	
Vinyl Chloride	<10 µg/kg	TM116	<10		<200		<10		<200		<200		<200	
Bromomethane	<13 µg/kg	TM116	<13	M	<260	M	<13	M	<260	M	<260	M	<260	M
Chloroethane	<14 µg/kg	TM116	<14	M	<280	M	<14	M	<280	M	<280	M	<280	M
Trichlorofluoromethane	<6 µg/kg	TM116	<6	M	<120	M	<6	M	<120	M	<120	M	<120	M
1,1-Dichloroethene	<10 µg/kg	TM116	<10	#	<200	#	<10	#	<200	#	<200	#	<200	#
Carbon Disulphide	<7 µg/kg	TM116	31	M	<140	M	20.6	M	<140	M	<140	M	<140	M
Dichloromethane	<10 µg/kg	TM116	<10	#	<200	#	<10	#	<200	#	<200	#	<200	#
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<11	M	<220	M	<11	M	<220	M	<220	M	<220	M
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<11	M	<220	M	<11	M	<220	M	<220	M	<220	M
1,1-Dichloroethane	<8 µg/kg	TM116	<8	M	<160	M	<8	M	<160	M	<160	M	<160	M
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<5	M	<100	M	<5	M	<100	M	<100	M	<100	M
2,2-Dichloropropane	<12 µg/kg	TM116	<12	M	<240	M	<12	M	<240	M	<240	M	<240	M
Bromochloromethane	<14 µg/kg	TM116	<14	M	<280	M	<14	M	<280	M	<280	M	<280	M
Chloroform	<8 µg/kg	TM116	<8	M	<160	M	<8	M	<160	M	<160	M	<160	M
1,1,1-Trichloroethane	<7 µg/kg	TM116	<7	M	<140	M	33.7	M	<140	M	<140	M	<140	M
1,1-Dichloropropene	<11 µg/kg	TM116	<11	M	<220	M	<11	M	<220	M	<220	M	<220	M
Carbontetrachloride	<14 µg/kg	TM116	<14	M	<280	M	<14	M	<280	M	<280	M	<280	M
1,2-Dichloroethane	<5 µg/kg	TM116	<5	M	<100	M	<5	M	<100	M	<100	M	<100	M
Benzene	<9 µg/kg	TM116	72.5	M	<180	M	103	M	1220	M	<180	M	<180	M
Trichloroethene	<9 µg/kg	TM116	<9	M	<180	M	<9	M	<180	M	<180	M	<180	M
1,2-Dichloropropane	<12 µg/kg	TM116	<12	M	<240	M	<12	M	<240	M	<240	M	<240	M
Dibromomethane	<9 µg/kg	TM116	<9	M	<180	M	<9	M	<180	M	<180	M	<180	M
Bromodichloromethane	<7 µg/kg	TM116	<7	M	<140	M	<7	M	<140	M	<140	M	<140	M
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<14	M	<280	M	<14	M	<280	M	<280	M	<280	M
Toluene	<5 µg/kg	TM116	310	M	211	M	1030	M	7870	M	<100	M	<100	M
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<100		<2000		<100		<2000		<2000		<2000	
1,1,2-Trichloroethane	<10 µg/kg	TM116	<10	M	<200	M	<10	M	<200	M	<200	M	<200	M



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP19	P1TP19	P1TP20	P1TP20	P1TP22	P1TP22
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.00	1.20	0.20	0.30	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				13/01/2014	13/01/2014	13/01/2014	13/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689217	8689219	8689214	8689215	8689284	8689283
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#pound;	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<7	<140	<7	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<5	<100	<5	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<13	<260	<13	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<12	<240	<12	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<5	<100	<5	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<10	<200	<10	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			14.2	<80	19.3	181	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			25.1	<280	23.2	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<10	<200	<10	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<10	<200	<10	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<10	<200	<10	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			7.22	<100	7.9	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<10	<200	<10	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<17	<340	<17	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<10	<200	<10	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			14.5	<220	11.9	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<9	<180	<9	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<8	<160	<8	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<12	<240	<12	<240	<240	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<12	<240	<12	<240	<240	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			28.4	<180	20.7	<180	<180	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<10	<200	<10	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<11	<220	<11	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<6	<120	<6	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<5	<100	<5	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<10	<200	<10	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<12	<240	<12	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<14	<280	<14	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<15	<300	<15	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<6	<120	<6	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<12	<240	<12	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<13	<260	<13	<260	<260	<260
					M	M	M	M	M	M

Order Number: CD0593
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SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP23	P1TP23	P1TP24	P1TP24	P1TP25	P1TP25
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.20 Soil/Solid 14/01/2014	0.50 Soil/Solid 14/01/2014	0.30 Soil/Solid 14/01/2014	0.75 Soil/Solid 14/01/2014	0.30 Soil/Solid 14/01/2014	0.75 Soil/Solid 14/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689238	15/01/2014 140115-93 8689239	15/01/2014 140115-93 8689241	15/01/2014 140115-93 8689242	15/01/2014 140115-93 8689243	15/01/2014 140115-93 8689244
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	109	109	113	97.7	110	109
Toluene-d8**	%	TM116	100	100	101	104	101	98
4-Bromofluorobenzene**	%	TM116	99.1	99.7	101	127	101	105
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<4	<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	<260	<260	<13	<260	<260
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<14	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<6	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	15	<140	<140
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<11	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<11	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<8	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<5	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<12	<240	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<14	<280	<280
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<8	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<7	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<11	<220	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<14	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<5	<100	<100
Benzene	<9 µg/kg	TM116	<180	<180	<180	<9	<180	<180
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<9	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<12	<240	<240
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<9	<180	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<7	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<14	<280	<280
Toluene	<5 µg/kg	TM116	<100	<100	<100	6.53	289	<100
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<2000	<2000	<100	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.	P1TP23	P1TP23	P1TP24	P1TP24	P1TP25	P1TP25
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.50	0.30	0.75	0.30	0.75
M	mCERTS accredited.			Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.			14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.			15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.			140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.			8689238	8689239	8689241	8689242	8689243	8689244
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery								
(F)	Trigger breach confirmed								
1-5&#s@	Sample deviation (see appendix)								
Component	LOD/Units	Method							
1,3-Dichloropropane	<7 µg/kg	TM116	<140	<140	<140	<7	<140	<140	
			#	#	#	#	#	#	
Tetrachloroethene	<5 µg/kg	TM116	<100	<100	<100	<5	<100	<100	
			M	M	M	M	M	M	
Dibromochloromethane	<13 µg/kg	TM116	<260	<260	<260	<13	<260	<260	
			M	M	M	M	M	M	
1,2-Dibromoethane	<12 µg/kg	TM116	<240	<240	<240	<12	<240	<240	
			M	M	M	M	M	M	
Chlorobenzene	<5 µg/kg	TM116	<100	<100	<100	<5	<100	<100	
			M	M	M	M	M	M	
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200	
			M	M	M	M	M	M	
Ethylbenzene	<4 µg/kg	TM116	<80	<80	<80	<4	<80	<80	
			M	M	M	M	M	M	
p/m-Xylene	<14 µg/kg	TM116	<280	<280	<280	<14	<280	<280	
			#	#	#	#	#	#	
o-Xylene	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200	
			M	M	M	M	M	M	
Styrene	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200	
			M	M	M	M	M	M	
Bromoform	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200	
			M	M	M	M	M	M	
Isopropylbenzene	<5 µg/kg	TM116	<100	<100	<100	<5	<100	<100	
			M	M	M	M	M	M	
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200	
			#	#	#	#	#	#	
1,2,3-Trichloropropane	<17 µg/kg	TM116	<340	<340	<340	<17	<340	<340	
			M	M	M	M	M	M	
Bromobenzene	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200	
			M	M	M	M	M	M	
Propylbenzene	<11 µg/kg	TM116	<220	<220	<220	<11	<220	<220	
			M	M	M	M	M	M	
2-Chlorotoluene	<9 µg/kg	TM116	<180	<180	<180	<9	<180	<180	
			M	M	M	M	M	M	
1,3,5-Trimethylbenzene	<8 µg/kg	TM116	<160	<160	<160	<8	<160	<160	
			#	#	#	#	#	#	
4-Chlorotoluene	<12 µg/kg	TM116	<240	<240	<240	<12	<240	<240	
			M	M	M	M	M	M	
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	<200	<200	<10	<200	<200	
			M	M	M	M	M	M	
4-Isopropyltoluene	<11 µg/kg	TM116	<220	<220	<220	<11	<220	<220	
			M	M	M	M	M	M	
1,3-Dichlorobenzene	<6 µg/kg	TM116	<120	<120	<120	<6	<120	<120	
			M	M	M	M	M	M	
1,4-Dichlorobenzene	<5 µg/kg	TM116	<100	<100	<100	<5	<100	<100	
			M	M	M	M	M	M	
n-Butylbenzene	<10 µg/kg	TM116	<200	<200	<200	<10	<200	<200	
			M	M	M	M	M	M	
1,2-Dichlorobenzene	<12 µg/kg	TM116	<240	<240	<240	<12	<240	<240	
			M	M	M	M	M	M	
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<280	<280	<280	<14	<280	<280	
			M	M	M	M	M	M	
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	<260	<260	<13	<260	<260	
			M	M	M	M	M	M	

SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

[illegible]



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP26		P1TP27		P1TP28	
#	ISO17025 accredited.		0.20	0.90	0.20	0.90	0.30	1.00
M	mCERTS accredited.	Depth (m)	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.	Sample Type	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.	Date Sampled	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.	Sample Time	140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.	Date Received	8689247	8689249	8689258	8689262	8689250	8689254
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	SDG Ref						
(F)	Trigger breach confirmed	Lab Sample No.(s)						
1-5&*\$@	Sample deviation (see appendix)	AGS Reference						
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	108	107	110	112	114	121
Toluene-d8**	%	TM116	99.5	99.5	100	101	101	104
4-Bromofluorobenzene**	%	TM116	103	102	101	98.5	118	96.8
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<80	<80
Chloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116	<260	<260	<260	<260	<260	<260
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<120	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
Benzene	<9 µg/kg	TM116	<180	<180	<180	<180	240	330
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Toluene	<5 µg/kg	TM116	174	165	145	170	576	754
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP26	P1TP26	P1TP27	P1TP27	P1TP28	P1TP28
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	0.90	0.20	0.90	0.30	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689247	8689249	8689258	8689262	8689250	8689254
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	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	<200	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M

Order Number: CD0593
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SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.	P1TP28	P1TP29	P1TP29	P1TP29	P1TP30	P1TP30
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.40	0.20	0.90	1.40	0.20	1.00
M	mCERTS accredited.		Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.		14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.		15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.		140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.		8689257	8689264	8689266	8689267	8689269	8689270
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	117	111	110	108	108	108
Toluene-d8**	%	TM116	103	98.7	98.1	100	100	100
4-Bromofluorobenzene**	%	TM116	100	117	105	105	105	101
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<80	<80
Chloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116	<260	<260	<260	<260	<260	<260
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<120	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
Benzene	<9 µg/kg	TM116	<180	<180	205	<180	<180	<180
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Toluene	<5 µg/kg	TM116	379	242	478	266	<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	<200	<200	<200	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP28	P1TP29	P1TP29	P1TP29	P1TP30	P1TP30
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.40	0.20	0.90	1.40	0.20	1.00
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
* **	Subcontracted test.				8689257	8689264	8689266	8689267	8689269	8689270
%			% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)			Trigger breach confirmed							
1-5&#s@			Sample deviation (see appendix)							
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116	<140	#	<140	#	<140	#	<140	#
Tetrachloroethene	<5 µg/kg	TM116	<100	M	<100	M	<100	M	<100	M
Dibromochloromethane	<13 µg/kg	TM116	<260	M	<260	M	<260	M	<260	M
1,2-Dibromoethane	<12 µg/kg	TM116	<240	M	<240	M	<240	M	<240	M
Chlorobenzene	<5 µg/kg	TM116	<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
Ethylbenzene	<4 µg/kg	TM116	<80	M	<80	M	<80	M	<80	M
p/m-Xylene	<14 µg/kg	TM116	<280	#	<280	#	<280	#	<280	#
o-Xylene	<10 µg/kg	TM116	<200	M	<200	M	<200	M	<200	M
Styrene	<10 µg/kg	TM116	<200	M	<200	M	<200	M	<200	M
Bromoform	<10 µg/kg	TM116	<200	M	<200	M	<200	M	<200	M
Isopropylbenzene	<5 µg/kg	TM116	<100	M	<100	M	<100	M	<100	M
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	M
Bromobenzene	<10 µg/kg	TM116	<200	M	<200	M	<200	M	<200	M
Propylbenzene	<11 µg/kg	TM116	<220	M	<220	M	<220	M	<220	M
2-Chlorotoluene	<9 µg/kg	TM116	<180	M	<180	M	<180	M	<180	M
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	M
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	M
4-Isopropyltoluene	<11 µg/kg	TM116	<220	M	<220	M	<220	M	<220	M
1,3-Dichlorobenzene	<6 µg/kg	TM116	<120	M	<120	M	<120	M	<120	M
1,4-Dichlorobenzene	<5 µg/kg	TM116	<100	M	<100	M	<100	M	<100	M
n-Butylbenzene	<10 µg/kg	TM116	<200	M	<200	M	<200	M	<200	M
1,2-Dichlorobenzene	<12 µg/kg	TM116	<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
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	M

SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

[illegible]



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP30	P1TP31	P1TP31	P1TP31	P1TP32	P1TP32
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	1.90 Soil/Solid 14/01/2014	0.20 Soil/Solid 14/01/2014	0.90 Soil/Solid 14/01/2014	1.10 Soil/Solid 14/01/2014	0.20 Soil/Solid 14/01/2014	0.70 Soil/Solid 14/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689272	15/01/2014 140115-93 8689275	15/01/2014 140115-93 8689276	15/01/2014 140115-93 8689277	15/01/2014 140115-93 8689279	15/01/2014 140115-93 8689280
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	107	107	108	114	110	110
Toluene-d8**	%	TM116	101	98.8	100	99	96.5	98.8
4-Bromofluorobenzene**	%	TM116	99.2	104	104	96	114	106
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<4	<80
Chloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<7	<140
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<200	<200	<10	<200
Bromomethane	<13 µg/kg	TM116	<260	<260	<260	<260	<13	<260
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<14	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<120	<6	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<10	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<7	<140
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<10	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<11	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<11	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<8	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<5	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<12	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<14	<280
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<8	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<7	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<11	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<14	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<100	<5	<100
Benzene	<9 µg/kg	TM116	<180	<180	<180	<180	<9	<180
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<9	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<12	<240
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<9	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<7	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<14	<280
Toluene	<5 µg/kg	TM116	<100	134	181	155	8.18	138
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<2000	<2000	<2000	<100	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<200	<200	<200	<10	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP30	P1TP31	P1TP31	P1TP31	P1TP32	P1TP32
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		1.90	0.20	0.90	1.10	0.20	0.70
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
*	Subcontracted test.				8689272	8689275	8689276	8689277	8689279	8689280
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<7	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<13	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<4	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<17	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<8	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
					M	M	M	M	M	M
tert-Butylbenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
					#	#	#	#	#	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116			<180	<180	<180	<180	<9	<180
					#	#	#	#	#	#
sec-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<11	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<6	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<5	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<10	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<14	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<15	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<6	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<12	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<13	<260
					M	M	M	M	M	M

SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

[illegible]



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP39	P1TP39	P1TP39	P1TP40	P1TP40	P1TP40
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.20 Soil/Solid 14/01/2014	1.00 Soil/Solid 14/01/2014	1.80 Soil/Solid 14/01/2014	0.20 Soil/Solid 14/01/2014	0.80 Soil/Solid 14/01/2014	1.00 Soil/Solid 14/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689294	15/01/2014 140115-93 8689295	15/01/2014 140115-93 8689296	15/01/2014 140115-93 8689291	15/01/2014 140115-93 8689293	15/01/2014 140115-93 8689292
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	113	103	111	111	113	109
Toluene-d8**	%	TM116	99.3	97.7	98.4	99.2	98.3	101
4-Bromofluorobenzene**	%	TM116	104	125	106	106	105	100
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<4	<80	<80	<80	<80
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	<260	<260	<260	<260
Chloroethane	<14 µg/kg	TM116	<280	<14	<280	<280	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<6	<120	<120	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<10	<200	<200	<200	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	<7	<140	<140	<140	<140
Dichloromethane	<10 µg/kg	TM116	<200	<10	<200	<200	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<11	<220	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<11	<220	<220	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<8	<160	<160	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<5	<100	<100	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<12	<240	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<14	<280	<280	<280	<280
Chloroform	<8 µg/kg	TM116	<160	<8	<160	<160	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<7	<140	<140	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<11	<220	<220	<220	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<14	<280	<280	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<5	<100	<100	<100	<100
Benzene	<9 µg/kg	TM116	<180	<9	<180	<180	<180	<180
Trichloroethene	<9 µg/kg	TM116	<180	<9	<180	<180	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<12	<240	<240	<240	<240
Dibromomethane	<9 µg/kg	TM116	<180	<9	<180	<180	<180	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<7	<140	<140	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<14	<280	<280	<280	<280
Toluene	<5 µg/kg	TM116	<100	11.7	<100	115	<100	<100
trans-1,3-Dichloropropene	<100 µg/kg	TM116	<2000	<100	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116	<200	<10	<200	<200	<200	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.	P1TP39	P1TP39	P1TP39	P1TP40	P1TP40	P1TP40	
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20	1.00	1.80	0.20	0.80	1.00	
M	mCERTS accredited.			Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
aq	Aqueous / settled sample.			14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	
diss.filt	Dissolved / filtered sample.									
tot.unfilt	Total / unfiltered sample.									
*	Subcontracted test.									
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery									
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116	<140	#	<7	#	<140	#	<140	#
Tetrachloroethene	<5 µg/kg	TM116	<100	M	<5	M	<100	M	<100	M
Dibromochloromethane	<13 µg/kg	TM116	<260	M	<13	M	<260	M	<260	M
1,2-Dibromoethane	<12 µg/kg	TM116	<240	M	<12	M	<240	M	<240	M
Chlorobenzene	<5 µg/kg	TM116	<100	M	<5	M	<100	M	<100	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116	<200	M	<10	M	<200	M	<200	M
Ethylbenzene	<4 µg/kg	TM116	<80	M	<4	M	<80	M	<80	M
p/m-Xylene	<14 µg/kg	TM116	<280	#	<14	#	<280	#	<280	#
o-Xylene	<10 µg/kg	TM116	<200	M	<10	M	<200	M	<200	M
Styrene	<10 µg/kg	TM116	<200	M	<10	M	<200	M	<200	M
Bromoform	<10 µg/kg	TM116	<200	M	<10	M	<200	M	<200	M
Isopropylbenzene	<5 µg/kg	TM116	<100	M	<5	M	<100	M	<100	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116	<200	#	<10	#	<200	#	<200	#
1,2,3-Trichloropropane	<17 µg/kg	TM116	<340	M	<17	M	<340	M	<340	M
Bromobenzene	<10 µg/kg	TM116	<200	M	<10	M	<200	M	<200	M
Propylbenzene	<11 µg/kg	TM116	<220	M	<11	M	<220	M	<220	M
2-Chlorotoluene	<9 µg/kg	TM116	<180	M	<9	M	<180	M	<180	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116	<160	#	<8	#	<160	#	<160	#
4-Chlorotoluene	<12 µg/kg	TM116	<240	M	<12	M	<240	M	<240	M
tert-Butylbenzene	<12 µg/kg	TM116	<240	#	<12	#	<240	#	<240	#
1,2,4-Trimethylbenzene	<9 µg/kg	TM116	<180	#	<9	#	<180	#	<180	#
sec-Butylbenzene	<10 µg/kg	TM116	<200	M	<10	M	<200	M	<200	M
4-Isopropyltoluene	<11 µg/kg	TM116	<220	M	<11	M	<220	M	<220	M
1,3-Dichlorobenzene	<6 µg/kg	TM116	<120	M	<6	M	<120	M	<120	M
1,4-Dichlorobenzene	<5 µg/kg	TM116	<100	M	<5	M	<100	M	<100	M
n-Butylbenzene	<10 µg/kg	TM116	<200	M	<10	M	<200	M	<200	M
1,2-Dichlorobenzene	<12 µg/kg	TM116	<240	M	<12	M	<240	M	<240	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<280	M	<14	M	<280	M	<280	M
Tert-amyl methyl ether	<15 µg/kg	TM116	<300		<15		<300		<300	
1,2,4-Trichlorobenzene	<6 µg/kg	TM116	<120	#	<6	#	<120	#	<120	#
Hexachlorobutadiene	<12 µg/kg	TM116	<240		<12		<240		<240	
Naphthalene	<13 µg/kg	TM116	<260	M	<13	M	<260	M	<260	M

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

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SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend		Customer Sample Ref.						
#	ISO17025 accredited.		P1TP41	P1TP41	P1TP41	P1TP42	P1TP42	P1TP42
M	mCERTS accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.30 Soil/Solid 14/01/2014	1.10 Soil/Solid 14/01/2014	1.60 Soil/Solid 14/01/2014	0.20 Soil/Solid 14/01/2014	1.00 Soil/Solid 14/01/2014	1.60 Soil/Solid 14/01/2014
aq	Aqueous / settled sample.		15/01/2014 140115-93 8689288	15/01/2014 140115-93 8689289	15/01/2014 140115-93 8689290	15/01/2014 140115-93 8689285	15/01/2014 140115-93 8689286	15/01/2014 140115-93 8689287
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Dibromofluoromethane**	%	TM116	108	113	109	111	109	112
Toluene-d8**	%	TM116	98	98.1	101	99.4	98.4	98.3
4-Bromofluorobenzene**	%	TM116	107	106	104	106	104	109
Dichlorodifluoromethane	<4 µg/kg	TM116	<80	<80	<80	<80	<80	<80
Chloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116	<260	<260	<260	<260	<260	<260
Chloroethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Trichlorofluoromethane	<6 µg/kg	TM116	<120	<120	<120	<120	<120	<120
1,1-Dichloroethene	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Carbon Disulphide	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
Dichloromethane	<10 µg/kg	TM116	<200	<200	<200	<200	<200	<200
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
trans-1,2-Dichloroethene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
1,1-Dichloroethane	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
cis-1,2-Dichloroethene	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
2,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Bromochloromethane	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Chloroform	<8 µg/kg	TM116	<160	<160	<160	<160	<160	<160
1,1,1-Trichloroethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
1,1-Dichloropropene	<11 µg/kg	TM116	<220	<220	<220	<220	<220	<220
Carbontetrachloride	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
1,2-Dichloroethane	<5 µg/kg	TM116	<100	<100	<100	<100	<100	<100
Benzene	<9 µg/kg	TM116	<180	<180	1040	<180	<180	<180
Trichloroethene	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
1,2-Dichloropropane	<12 µg/kg	TM116	<240	<240	<240	<240	<240	<240
Dibromomethane	<9 µg/kg	TM116	<180	<180	<180	<180	<180	<180
Bromodichloromethane	<7 µg/kg	TM116	<140	<140	<140	<140	<140	<140
cis-1,3-Dichloropropene	<14 µg/kg	TM116	<280	<280	<280	<280	<280	<280
Toluene	<5 µg/kg	TM116	<100	<100	<100	<100	<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	<200	<200	<200	<200



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

VOC MS (S)

Results Legend			Customer Sample Ref.		P1TP41	P1TP41	P1TP41	P1TP42	P1TP42	P1TP42
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.30	1.10	1.60	0.20	1.00	1.60
M	mCERTS accredited.				Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
aq	Aqueous / settled sample.				14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014	14/01/2014
diss.filt	Dissolved / filtered sample.				15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014	15/01/2014
tot.unfilt	Total / unfiltered sample.				140115-93	140115-93	140115-93	140115-93	140115-93	140115-93
* **	Subcontracted test. % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery				8689288	8689289	8689290	8689285	8689286	8689287
(F)	Trigger breach confirmed									
1-5&#s@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
1,3-Dichloropropane	<7 µg/kg	TM116			<140	<140	<140	<140	<140	<140
					#	#	#	#	#	#
Tetrachloroethene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
Dibromochloromethane	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M
1,2-Dibromoethane	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
Chlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Ethylbenzene	<4 µg/kg	TM116			<80	<80	<80	<80	<80	<80
					M	M	M	M	M	M
p/m-Xylene	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					#	#	#	#	#	#
o-Xylene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Styrene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Bromoform	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Isopropylbenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					#	#	#	#	#	#
1,2,3-Trichloropropane	<17 µg/kg	TM116			<340	<340	<340	<340	<340	<340
					M	M	M	M	M	M
Bromobenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
Propylbenzene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
2-Chlorotoluene	<9 µg/kg	TM116			<180	<180	<180	<180	<180	<180
					M	M	M	M	M	M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116			<160	<160	<160	<160	<160	<160
					#	#	#	#	#	#
4-Chlorotoluene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	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	<200	<200	<200	<200
					M	M	M	M	M	M
4-Isopropyltoluene	<11 µg/kg	TM116			<220	<220	<220	<220	<220	<220
					M	M	M	M	M	M
1,3-Dichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					M	M	M	M	M	M
1,4-Dichlorobenzene	<5 µg/kg	TM116			<100	<100	<100	<100	<100	<100
					M	M	M	M	M	M
n-Butylbenzene	<10 µg/kg	TM116			<200	<200	<200	<200	<200	<200
					M	M	M	M	M	M
1,2-Dichlorobenzene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
					M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116			<280	<280	<280	<280	<280	<280
					M	M	M	M	M	M
Tert-amyl methyl ether	<15 µg/kg	TM116			<300	<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116			<120	<120	<120	<120	<120	<120
					#	#	#	#	#	#
Hexachlorobutadiene	<12 µg/kg	TM116			<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116			<260	<260	<260	<260	<260	<260
					M	M	M	M	M	M

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Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
Superseded Report: 290086

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 Received SDG Original Sample Method Number	P1TP2 0.40 SOLID 13/01/2014 00:00:00 140115-93 8689189 TM048	21/01/14	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 Received SDG Original Sample Method Number	P1TP2 0.60 SOLID 13/01/2014 00:00:00 140115-93 8689190 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP3 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689191 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP3 0.70 SOLID 13/01/2014 00:00:00 140115-93 8689192 TM048	21/01/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP4 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689195 TM048	21/01/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP4 0.50 SOLID 13/01/2014 00:00:00 140115-93 8689196 TM048	21/01/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP5 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689197 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP5 0.90 SOLID 13/01/2014 00:00:00 140115-93 8689198 TM048	21/01/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP6 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689199 TM048	21/01/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP6 0.60 SOLID 13/01/2014 00:00:00 140115-93 8689200 TM048	21/01/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP7 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689202 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 140115-93
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Location: Coed Darcy
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Attention: Jack Lowrie

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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP7 1.00 SOLID 13/01/2014 00:00:00 140115-93 8689203 TM048	21/01/14	Lauren Sargeant	Loose fibres in soil	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP8 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689204 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP8 0.60 SOLID 13/01/2014 00:00:00 140115-93 8689205 TM048	21/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP9 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689206 TM048	22/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP9 0.60 SOLID 13/01/2014 00:00:00 140115-93 8689207 TM048	22/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP10 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689209 TM048	22/01/14	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



SDG: 140115-93
Job: H_ATKINS_LDC-173
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Location: Coed Darcy
Customer: Atkins Global Ltd
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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP10 0.90 SOLID 13/01/2014 00:00:00 140115-93 8689210 TM048	21/01/14	Simon Postlewhite	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP10 1.20 SOLID 13/01/2014 00:00:00 140115-93 8689213 TM048	21/01/14	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 Received SDG Original Sample Method Number	P1TP11 0.20 SOLID 14/01/2014 00:00:00 140115-93 8689281 TM048	22/01/14	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 Received SDG Original Sample Method Number	P1TP11 0.60 SOLID 14/01/2014 00:00:00 140115-93 8689282 TM048	22/01/14	Kevin Bowron	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP12 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689236 TM048	22/01/14	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 Received SDG Original Sample Method Number	P1TP12 0.70 SOLID 13/01/2014 00:00:00 140115-93 8689237 TM048	21/01/14	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 140115-93
Job: H_ATKINS_LDC-173
Client Reference: Phase 2

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

Order Number: CD0593
Report Number: 294616
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		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP13 0.20 SOLID 13/01/2014 00:00:00 140115-93 8689233 TM048	21/01/14	Tomasz Pawlikowski	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP13 1.05 SOLID 13/01/2014 00:00:00 140115-93 8689234 TM048	21/1/14	Martin Cotterell	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP14 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689230 TM048	27/01/14	Martin Cotterell	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP14 1.10 SOLID 13/01/2014 00:00:00 140115-93 8689231 TM048	21/01/14	Lauren Sargeant	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP14 1.70 SOLID 13/01/2014 00:00:00 140115-93 8689232 TM048	21/01/14	Tomasz Pawlikowski	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	P1TP15 0.30 SOLID 13/01/2014 00:00:00 140115-93 8689226 TM048	21/01/14	Chris Swindells	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected