CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 1	DIME TMP BASE 2	DIME TMP BASE 3	DIME TMP BASE 4	DIME TMP BASE 5	DIME TMP BASE 6
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012
			SDG Ref	120302-26	120302-26	120302-26	120302-26	120302-26	120302-26
			Lab Sample No.(s)	5260861	5260862	5260863	5260867	5260868	5260869
			AGS Reference						
Dibromofluoromethane**	%	TM116		106	105	103	99.6	92.8	91.6
Toluene-d8**	%	TM116		96.5	96.7	96.3	83.8	87	86.8
4-Bromofluorobenzene**	%	TM116		125	129	126	167	164	155
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<8 M	<8 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<14	<14	<14
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<20	<20	<20
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<26 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	56.3 M	<12 M	<12 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<20 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	243 M	277 M	68.2 M	113 M	227 M
Dichloromethane	<10 µg/kg	TM116		<200 #	780 #	277 #	33.6 #	94.7 #	454 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<22 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<22 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<16 M	<16 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<10 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<28 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<16 M	<16 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<14 M	<14 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<28 M
1.2-Dichloroethane	<5 µg/kg	TM116		269 M	7540 M	1470 M	280 M	479 M	1900 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	50.9 M	44.1 M	<18 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<18 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<14 M	<14 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<28 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	19.8 M	15.9 M	14.7 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<28	<28	<28
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<20 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<14 #	<14 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 1	DIME TMP BASE 2	DIME TMP BASE 3	DIME TMP BASE 4	DIME TMP BASE 5	DIME TMP BASE 6
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012	01/03/2012
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012	02/03/2012
			SDG Ref	120302-26	120302-26	120302-26	120302-26	120302-26	120302-26
			Lab Sample No.(s)	5260861	5260862	5260863	5260867	5260868	5260869
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<10 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<8 M	<8 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<28 #	<28 #	<28 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	41.3 M	<20 M	36 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<20 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<10 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<20 #	<20 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<34 M	<34 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<18 M	<18 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	73.2 #	58.6 #	60.8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<24 #	<24 #	<24 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	38.6 #	<18 #	47.6 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<22 M	<22 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<12 M	<12 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<10 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<20 M	<20 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<24 M	<24 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<28 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<30	<30	<30
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<12 #	<12 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<24	<24	<24
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<26 M	<26 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<12 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 7	DIME TMP BASE 8	DIME TMP BASE 9	DIME TMP BASE 10		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012		
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012		
			SDG Ref	120302-26	120302-26	120302-26	120302-26		
			Lab Sample No.(s)	5260870	5260872	5260874	5260878		
			AGS Reference						
Dibromofluoromethane**	%	TM116		88.2	89	97.3	92.8		
Toluene-d8**	%	TM116		75.4	80.3	85.6	79.4		
4-Bromofluorobenzene**	%	TM116		184	177	171	172		
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M		
Chloromethane	<7 µg/kg	TM116		<14	<14	<14	<14		
Vinyl Chloride	<10 µg/kg	TM116		<20	<20	<20	<20		
Bromomethane	<13 µg/kg	TM116		<26 M	<26 M	<26 M	<26 M		
Chloroethane	<14 µg/kg	TM116		<28 M	<28 M	<28 M	<28 M		
Trichlorofluorormethane	<6 µg/kg	TM116		<12 M	16 M	<12 M	18.8 M		
1.1-Dichloroethene	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
Carbon Disulphide	<7 µg/kg	TM116		82.3 M	194 M	72.4 M	77.7 M		
Dichloromethane	<10 µg/kg	TM116		85.7 #	270 #	38 #	38.3 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22 M	<22 M	<22 M	<22 M		
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<22 M	<22 M	<22 M	<22 M		
1.1-Dichloroethane	<8 µg/kg	TM116		<16 M	<16 M	<16 M	<16 M		
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
2.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<24 M	<24 M	<24 M		
Bromochloromethane	<14 µg/kg	TM116		<28 M	<28 M	<28 M	<28 M		
Chloroform	<8 µg/kg	TM116		<16 M	<16 M	<16 M	<16 M		
1.1.1-Trichloroethane	<7 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
1.1-Dichloropropene	<11 µg/kg	TM116		<22 M	<22 M	<22 M	<22 M		
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<28 M	<28 M	<28 M		
1.2-Dichloroethane	<5 µg/kg	TM116		574 M	2040 M	432 M	310 M		
Benzene	<9 µg/kg	TM116		21.7 M	<18 M	116 M	55.1 M		
Trichloroethene	<9 µg/kg	TM116		<18 M	<18 M	<18 M	<18 M		
1.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<24 M	<24 M	<24 M		
Dibromomethane	<9 µg/kg	TM116		<18 M	<18 M	<18 M	<18 M		
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<28 M	<28 M	<28 M	<28 M		
Toluene	<5 µg/kg	TM116		20 M	18.5 M	35.7 M	22.1 M		
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<28	<28	<28	<28		
1.1.2-Trichloroethane	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
1.3-Dichloropropane	<7 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #		
Tetrachloroethene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
Dibromochloromethane	<13 µg/kg	TM116		<26 M	<26 M	<26 M	<26 M		

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP BASE 7	DIME TMP BASE 8	DIME TMP BASE 9	DIME TMP BASE 10		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	01/03/2012	01/03/2012	01/03/2012	01/03/2012		
			Date Received	02/03/2012	02/03/2012	02/03/2012	02/03/2012		
			SDG Ref	120302-26	120302-26	120302-26	120302-26		
			Lab Sample No.(s)	5260870	5260872	5260874	5260878		
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<24 M	<24 M	<24 M	<24 M		
Chlorobenzene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
Ethylbenzene	<4 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M		
p/m-Xylene	<14 µg/kg	TM116		<28 #	<28 #	<28 #	<28 #		
o-Xylene	<10 µg/kg	TM116		79.3 M	45.1 M	30.6 M	41.1 M		
Styrene	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
Bromoform	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
Isopropylbenzene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<20 #	<20 #	<20 #		
1.2.3-Trichloropropane	<17 µg/kg	TM116		<34 M	<34 M	<34 M	<34 M		
Bromobenzene	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
Propylbenzene	<11 µg/kg	TM116		<22 M	<22 M	<22 M	<22 M		
2-Chlorotoluene	<9 µg/kg	TM116		<18 M	<18 M	<18 M	<18 M		
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		218 #	103 #	73 #	108 #		
4-Chlorotoluene	<12 µg/kg	TM116		<24 M	<24 M	<24 M	<24 M		
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<24 #	<24 #	<24 #		
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		91 #	56.9 #	33 #	85.5 #		
sec-Butylbenzene	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
4-Isopropyltoluene	<11 µg/kg	TM116		<22 M	<22 M	<22 M	<22 M		
1.3-Dichlorobenzene	<6 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M		
1.4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
n-Butylbenzene	<10 µg/kg	TM116		<20 M	<20 M	<20 M	<20 M		
1.2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<24 M	<24 M	<24 M		
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 M	<28 M	<28 M	<28 M		
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<30	<30	<30		
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<24	<24	<24		
Naphthalene	<13 µg/kg	TM116		<26 M	<26 M	<26 M	<26 M		
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M		

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Notification of Deviating Samples

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5274136	DIME TMP BASE 1		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5274173	DIME TMP BASE 2		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5274217	DIME TMP BASE 3		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5274375	DIME TMP BASE 4		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5274403	DIME TMP BASE 5		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5274431	DIME TMP BASE 6		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5274451	DIME TMP BASE 7		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5274475	DIME TMP BASE 8		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5274520	DIME TMP BASE 9		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference
5282359	DIME TMP BASE 10		SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Matrix interference

Note : Test results may be compromised

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	5260861	5260862	5260863	5260867	5260868	5260869	5260870	5260872	5260874	5260878
Customer Sample Ref.	DIME TMP BASE 1	DIME TMP BASE 2	DIME TMP BASE 3	DIME TMP BASE 4	DIME TMP BASE 5	DIME TMP BASE 6	DIME TMP BASE 7	DIME TMP BASE 8	DIME TMP BASE 9	DIME TMP BASE 10
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012
EPH CWG (Aromatic) GC (S)	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012
GRO by GC-FID (S)	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	06-Mar-2012	07-Mar-2012
Metals by iCap-OES (Soil)	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012
pH	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	07-Mar-2012	06-Mar-2012	06-Mar-2012
Sample description	03-Mar-2012	03-Mar-2012	03-Mar-2012	03-Mar-2012	03-Mar-2012	03-Mar-2012	03-Mar-2012	03-Mar-2012	03-Mar-2012	03-Mar-2012
Semi Volatile Organic Compounds	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012
TPH CWG GC (S)	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012
VOC MS (S)	07-Mar-2012	07-Mar-2012	07-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012	08-Mar-2012

SDG:	120302-26	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0224
Job:	H_ATKINS_LDC-44	**Customer:**	Atkins Global Ltd	**Report Number:**	173647
Client Reference:	DiME Soil Samples Only	**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

SOLID MATRICES EXTRACTION SUMMARY

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

LIQUID MATRICES EXTRACTION SUMMARY

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

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

Date:	20 October 2010		
Customer:	H_ATKINS_LDC-55		
Sample Delivery Group (SDG):	101013-37	**Report No.:**	100688
Your Reference:			
Location:	Coed Darcy Urban Village		

We received 29 samples on Wednesday October 13, 2010 and 29 of these samples were scheduled for analysis which was completed on Wednesday October 20, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:



Iain Swinton

Operations Director - Land UK & Ireland

1291
GROUP

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

Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
2227909	SP23 01			12/10/2010
2227918	SP23 02			12/10/2010
2227925	SP23 03			12/10/2010
2230004	SP23 04			12/10/2010
2230005	SP23 05			12/10/2010
2230007	SP23 06			12/10/2010
2223979	SP24 01			12/10/2010
2224026	SP24 02			12/10/2010
2223983	SP24 03			12/10/2010
2224029	SP25 01			12/10/2010
2224019	SP25 02			12/10/2010
2223812	SP26 01			12/10/2010
2223804	SP26 02			12/10/2010
2223809	SP26 03			12/10/2010
2224002	SP28 01			12/10/2010
2224032	SP28 02			12/10/2010
2223976	SP29 01			12/10/2010
2224024	SP29 02			12/10/2010
2223997	SP29 03			12/10/2010
2223872	SP30 01			12/10/2010
2223904	SP30 02			12/10/2010
2223847	SP31 01			12/10/2010
2223759	SP31 02			12/10/2010
2223816	SP31 03			12/10/2010
2223823	SP31 04			12/10/2010
2223795	SP31 05			12/10/2010
2223991	SP32 01			12/10/2010
2223974	SP32 02			12/10/2010
2223948	SP33 01			12/10/2010

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

Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2223759	2223795	2223804	2223809	2223812	2223816	2223823	2223847	2223872	2223904	2223948	2223974	2223976	2223979
			Customer Sample Ref.	SP31 02	SP31 05	SP26 02	SP26 03	SP26 01	SP31 03	SP31 04	SP31 01	SP30 01	SP30 02	SP33 01	SP32 02	SP29 01	SP24 01
			AGS Ref.														
			Depth (m)														
			Container	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 29		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
GRO by GC-FID (S)	All	NDPs: 2 Tests: 26		X		X		X		N		N		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Cadmium	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Chromium	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Copper	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Lead	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Mercury	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Nickel	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Selenium	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Vanadium	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Zinc	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
PAH by GCMS	All	NDPs: 0 Tests: 10					X		X		X										X		X						X																							
pH	All	NDPs: 0 Tests: 28		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Sample description	All	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 18	X		X						X		X		X								X		X																										X	
Total Organic Carbon	All	NDPs: 0 Tests: 28	X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 26	X		X		X				X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2223759	2223795	2223804	2223809	2223812	2223816	2223823	2223847	2223872	2223904	2223948	2223974	2223976	2223979
			Customer Sample Ref.	SP31 02	SP31 05	SP26 02	SP26 03	SP26 01	SP31 03	SP31 04	SP31 01	SP30 01	SP30 02	SP33 01	SP32 02	SP29 01	SP24 01
			AGS Ref.														
			Depth (m)														
			Container	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar
VOC MS (S)	All	NDPs: 0 Tests: 18			X		X				X		X		X		X												

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2223979	2223983	2223991	2223997	2224002	2224019	2224024	2224026	2224029	2224032	2227909	2227918	2227925	2230004	2230005
			Customer Sample Ref.	SP24 01	SP24 03	SP32 01	SP29 03	SP28 01	SP25 02	SP29 02	SP24 02	SP25 01	SP28 02	SP23 01	SP23 02	SP23 03	SP23 04	SP23 05
			AGS Ref.															
			Depth (m)															
			Container	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 29		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Asbestos Identification	All	NDPs: 0 Tests: 1									X																				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 28			X		X		X		X		X		X		X		X		X		X		X		X		X		X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 28			X		X		X		X		X		X		X		X		X		X		X		X		X		X
GRO by GC-FID (S)	All	NDPs: 2 Tests: 26		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 28			X		X		X		X		X		X		X		X		X		X		X		X		X		X
	Cadmium	NDPs: 0 Tests: 28			X		X		X		X		X		X		X		X		X		X		X		X		X		X
	Chromium	NDPs: 0 Tests: 28			X		X		X		X		X		X		X		X		X		X		X		X		X		X

Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

SOLID

Results Legend

- X — Test
- N — No Determination Possible

		Lab Sample No(s)	2223979		2223983			2223991			2223997			2224002			2224019			2224024			2224026	2224029			2224032			2227909			2227918			2227925			2230004			2230005
		Customer Sample Ref.	SP24 01		SP24 03			SP32 01			SP29 03			SP28 01			SP25 02			SP29 02			SP24 02	SP25 01			SP28 02			SP23 01			SP23 02			SP23 03			SP23 04			SP23 05
		AGS Ref.																																									
		Depth (m)																																									
		Container	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar
Metals by iCap-OES (Soil)	Copper	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
	Lead	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
	Mercury	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
	Nickel	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
	Selenium	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
	Vanadium	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
	Zinc	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
PAH by GCMS	All	NDPs: 0 Tests: 10									X			X						X							X															
pH	All	NDPs: 0 Tests: 28	X			X			X			X			X			X			X				X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 18			X			X									X							X						X			X			X			X			X
Total Organic Carbon	All	NDPs: 0 Tests: 28			X			X			X			X			X			X				X			X			X			X			X			X			X
TPH CWG GC (S)	All	NDPs: 0 Tests: 26			X			X			X			X			X			X				X			X			X			X			X			X			X
VOC MS (S)	All	NDPs: 0 Tests: 18		X			X			X									X							X						X			X			X			X	

20/10/2010, 17:20:43

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2230005				2230007			
			Customer Sample Ref.	SP23 05				SP23 06			
			AGS Ref.								
			Depth (m)								
			Container	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC			
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 29		X			X				
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 28				X					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 28				X					
GRO by GC-FID (S)	All	NDPs: 2 Tests: 26			X			X			
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 28				X					
	Cadmium	NDPs: 0 Tests: 28				X					
	Chromium	NDPs: 0 Tests: 28				X					
	Copper	NDPs: 0 Tests: 28				X					
	Lead	NDPs: 0 Tests: 28				X					
	Mercury	NDPs: 0 Tests: 28				X					
	Nickel	NDPs: 0 Tests: 28				X					
	Selenium	NDPs: 0 Tests: 28				X					
	Vanadium	NDPs: 0 Tests: 28				X					
	Zinc	NDPs: 0 Tests: 28				X					
pH	All	NDPs: 0 Tests: 28		X			X				
Sample description	All	NDPs: 0 Tests: 28				X					
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 18				X					
Total Organic Carbon	All	NDPs: 0 Tests: 28				X					
TPH CWG GC (S)	All	NDPs: 0 Tests: 26				X					
VOC MS (S)	All	NDPs: 0 Tests: 18			X			X			

Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
2223759	SP31 02		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2223795	SP31 05		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2223804	SP26 02		Grey	N/A	> 10 mm	Stones	None
2223809	SP26 03		Grey	Silt	0.063 - 0.1 mm	Stones	None
2223812	SP26 01		Grey	N/A	> 10 mm	Stones	None
2223816	SP31 03		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2223823	SP31 04		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2223847	SP31 01		Grey	Silt	0.063 - 0.1 mm	Stones	None
2223872	SP30 01		Dark Brown	Peat	0.063 - 0.1 mm	Vegetation	Stones
2223904	SP30 02		Dark Brown	Peat	0.063 - 0.1 mm	Vegetation	N/A
2223948	SP33 01		Dark Brown	Sand	0.1 - 2 mm	Stones	None
2223974	SP32 02		Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	N/A
2223976	SP29 01		Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	None
2223979	SP24 01		Dark Brown	Silty Sand	0.063 - 0.1 mm	Stones	None
2223983	SP24 03		Grey	Silty Sand	0.063 - 0.1 mm	Stones	Vegetation
2223991	SP32 01		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
2223997	SP29 03		Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
2224002	SP28 01		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
2224019	SP25 02		Dark Brown	Top Soil	0.063 - 0.1 mm	Stones	N/A
2224024	SP29 02		Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation	Stones
2224029	SP25 01		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Vegetation
2224032	SP28 02		Dark Brown	Top Soil	0.063 - 0.1 mm	Stones	Vegetation
2227909	SP23 01		Light Brown	Sand	0.1 - 2 mm	Stones	None
2227918	SP23 02		Dark Brown	Sand	0.1 - 2 mm	Stones	None
2227925	SP23 03		Dark Brown	Sand	0.1 - 2 mm	Stones	None
2230004	SP23 04		Light Brown	Sand	0.1 - 2 mm	None	None
2230005	SP23 05		Light Brown	Sand	0.1 - 2 mm	Stones	None
2230007	SP23 06		Light Brown	Sand	0.1 - 2 mm	None	None

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

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

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

Validated

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Test Completion Dates

Lab Sample No(s)	2223759	2223795	2223804	2223809	2223812	2223816	2223823	2223847	2223872	2223904
Customer Sample Ref.	SP31 02	SP31 05	SP26 02	SP26 03	SP26 01	SP31 03	SP31 04	SP31 01	SP30 01	SP30 02
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Containing Material Screen	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010
EPH CWG (Aliphatic) GC (S)	17/10/2010	17/10/2010	18/10/2010	17/10/2010	17/10/2010	17/10/2010	17/10/2010	18/10/2010	20/10/2010	20/10/2010
EPH CWG (Aromatic) GC (S)	17/10/2010	17/10/2010	18/10/2010	17/10/2010	17/10/2010	17/10/2010	17/10/2010	18/10/2010	20/10/2010	20/10/2010
GRO by GC-FID (S)	18/10/2010	18/10/2010	19/10/2010			19/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010
Metals by iCap-OES (Soil)	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010
PAH by GCMS			15/10/2010	18/10/2010	18/10/2010				15/10/2010	15/10/2010
pH	15/10/2010	15/10/2010	15/10/2010	15/10/2010	15/10/2010	15/10/2010	14/10/2010	15/10/2010	15/10/2010	15/10/2010
Sample description	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010
Semi Volatile Organic Compounds	18/10/2010	18/10/2010				18/10/2010	18/10/2010	19/10/2010		
Total Organic Carbon	15/10/2010	15/10/2010	15/10/2010	18/10/2010	18/10/2010	15/10/2010	15/10/2010	15/10/2010	19/10/2010	18/10/2010
TPH CWG GC (S)	18/10/2010	18/10/2010	19/10/2010			19/10/2010	18/10/2010	18/10/2010	20/10/2010	20/10/2010
VOC MS (S)	19/10/2010	19/10/2010				19/10/2010	19/10/2010	19/10/2010		

Lab Sample No(s)	2223948	2223974	2223976	2223979	2223983	2223991	2223997	2224002	2224019	2224024
Customer Sample Ref.	SP33 01	SP32 02	SP29 01	SP24 01	SP24 03	SP32 01	SP29 03	SP28 01	SP25 02	SP29 02
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Containing Material Screen	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010
EPH CWG (Aliphatic) GC (S)	17/10/2010	19/10/2010	17/10/2010	18/10/2010	17/10/2010	19/10/2010	17/10/2010	19/10/2010	19/10/2010	17/10/2010
EPH CWG (Aromatic) GC (S)	17/10/2010	19/10/2010	17/10/2010	18/10/2010	17/10/2010	19/10/2010	17/10/2010	19/10/2010	19/10/2010	17/10/2010
GRO by GC-FID (S)	18/10/2010	18/10/2010	18/10/2010	19/10/2010	19/10/2010	19/10/2010	19/10/2010	19/10/2010	18/10/2010	18/10/2010
Metals by iCap-OES (Soil)	18/10/2010	18/10/2010	18/10/2010	18/10/2010	20/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010
PAH by GCMS			18/10/2010				18/10/2010	15/10/2010		18/10/2010
pH	15/10/2010	15/10/2010	15/10/2010	15/10/2010	15/10/2010	15/10/2010	15/10/2010	15/10/2010	15/10/2010	15/10/2010
Sample description	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010
Semi Volatile Organic Compounds	19/10/2010	20/10/2010		19/10/2010	19/10/2010	20/10/2010			19/10/2010	
Total Organic Carbon	18/10/2010	18/10/2010	18/10/2010	15/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010
TPH CWG GC (S)	18/10/2010	19/10/2010	18/10/2010	19/10/2010	19/10/2010	19/10/2010	19/10/2010	19/10/2010	19/10/2010	18/10/2010
VOC MS (S)	19/10/2010	19/10/2010		19/10/2010	19/10/2010	19/10/2010			19/10/2010	

Lab Sample No(s)	2224026	2224029	2224032	2227909	2227918	2227925	2230004	2230005	2230007
Customer Sample Ref.	SP24 02	SP25 01	SP28 02	SP23 01	SP23 02	SP23 03	SP23 04	SP23 05	SP23 06
AGS Ref.									
Depth									
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Containing Material Screen	15/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010
Asbestos Identification	14/10/2010								
EPH CWG (Aliphatic) GC (S)		19/10/2010	19/10/2010	19/10/2010	19/10/2010	17/10/2010	17/10/2010	18/10/2010	17/10/2010
EPH CWG (Aromatic) GC (S)		19/10/2010	19/10/2010	19/10/2010	19/10/2010	17/10/2010	17/10/2010	18/10/2010	17/10/2010
GRO by GC-FID (S)		18/10/2010	19/10/2010	19/10/2010	19/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010
Metals by iCap-OES (Soil)		18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010
PAH by GCMS			18/10/2010						
pH		15/10/2010	15/10/2010	14/10/2010	15/10/2010	15/10/2010	15/10/2010	14/10/2010	15/10/2010
Sample description		14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010
Semi Volatile Organic Compounds		19/10/2010		19/10/2010	19/10/2010	19/10/2010	18/10/2010	18/10/2010	18/10/2010
Total Organic Carbon		18/10/2010	18/10/2010	18/10/2010	15/10/2010	18/10/2010	15/10/2010	15/10/2010	15/10/2010
TPH CWG GC (S)		19/10/2010	19/10/2010	19/10/2010	19/10/2010	18/10/2010	18/10/2010	18/10/2010	18/10/2010
VOC MS (S)		19/10/2010		19/10/2010	19/10/2010	19/10/2010	19/10/2010	19/10/2010	19/10/2010

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SP23 01		Soil/Solid	12/10/2010	13/10/2010	101013-37	2227909	
			SP23 02		Soil/Solid	12/10/2010	13/10/2010	101013-37	2227918	
			SP23 03		Soil/Solid	12/10/2010	13/10/2010	101013-37	2227925	
			SP23 04		Soil/Solid	12/10/2010	13/10/2010	101013-37	2230004	
			SP23 05		Soil/Solid	12/10/2010	13/10/2010	101013-37	2230005	
			SP23 06		Soil/Solid	12/10/2010	13/10/2010	101013-37	2230007	
Asbestos Containing Material Screen	-	TM001	No ACM Detected							
Organic Carbon, Total	<0.2 %	TM132	1.56 #							
			1.52 #							
			0.78 #							
			0.54 #							
			1.13 #							
			0.79 #							
pH	1 pH Units	TM133	8.25 M							
			8.62 M							
			8.86 M							
			8.72 M							
			8.66 M							
			8.59 M							
Arsenic	<0.6 mg/kg	TM181	8.6 M							
			9.81 M							
			8.78 M							
			9.59 M							
			9.65 M							
			8.99 M							
Cadmium	<0.02 mg/kg	TM181	0.241 M							
			0.44 M							
			0.159 M							
			0.191 M							
			0.206 M							
			0.144 M							
Chromium	<0.9 mg/kg	TM181	9.28 M							
			15 M							
			4.65 M							
			5.65 M							
			5.79 M							
			4.55 M							
Copper	<1.4 mg/kg	TM181	11.2 M							
			56.1 M							
			15 M							
			5.77 M							
			10.6 M							
			3.89 M							
Lead	<0.7 mg/kg	TM181	57.6 M							
			216 M							
			46.5 M							
			51.6 M							
			69.9 M							
			45.6 M							
Mercury	<0.14 mg/kg	TM181	<0.14 M							
			<0.14 M							
			<0.14 M							
			<0.14 M							
			<0.14 M							
			<0.14 M							
Nickel	<0.2 mg/kg	TM181	6.4 M							
			10.6 M							
			4.67 M							
			4.88 M							
			6.54 M							
			4.38 M							
Selenium	<1 mg/kg	TM181	<1 #							
			<1 #							
			<1 #							
			<1 #							
			<1 #							
			<1 #							
Vanadium	<0.2 mg/kg	TM181	13 #							
			18.7 #							
			13.1 #							
			11.1 #							
			15.9 #							
			12.2 #							
Zinc	<1.9 mg/kg	TM181	162 M							
			222 M							
			69.2 M							
			89.1 M							
			135 M							
			67.9 M							

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP23 01	SP23 02	SP23 03	SP23 04	SP23 05	SP23 06
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2227909	2227918	2227925	2230004	2230005	2230007
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	592	<100	240	<100	281
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP23 01	SP23 02	SP23 03	SP23 04	SP23 05	SP23 06
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2227909	2227918	2227925	2230004	2230005	2230007
			AGS Reference						
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<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	104	<100	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		220	194	<100	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		172	177	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		189	179	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		480	328	127	104	143	117
Fluoranthene	<100 µg/kg	TM157		<100	119	<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	128	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pyrene	<100 µg/kg	TM157		304	182	<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	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP23 01	SP23 02	SP23 03	SP23 04	SP23 05	SP23 06
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2227909	2227918	2227925	2230004	2230005	2230007
			AGS Reference						
Aliphatics >C12-C16	<100 µg/kg	TM173		48000	13800	2630	2030	9500	2780
Aliphatics >C16-C21	<100 µg/kg	TM173		248000	90400	26000	29600	64500	39500
Aliphatics >C21-C35	<100 µg/kg	TM173		2990000	2160000	303000	506000	1680000	790000
Aliphatics >C35-C44	<100 µg/kg	TM173		906000	829000	54200	139000	692000	207000
Aromatics >EC12-EC16	<100 µg/kg	TM173		22900	5630	167	2630	3870	1010
Aromatics >EC16-EC21	<100 µg/kg	TM173		190000	71200	25300	23000	55400	34000
Aromatics >EC21-EC35	<100 µg/kg	TM173		2420000	1830000	298000	375000	1510000	616000
Aromatics >EC35-EC44	<100 µg/kg	TM173		946000	745000	90800	172000	721000	245000
Aromatics >EC40-EC44	<100 µg/kg	TM173		320000	217000	38100	65900	241000	84800
Total Aliphatics >C12-C44	<100 µg/kg	TM173		4200000	3090000	386000	677000	2450000	1040000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		3580000	2650000	414000	572000	2290000	897000
Total Aliphatics >C5-35	<100 µg/kg	TM173		3290000	2260000	331000	537000	1760000	833000
Total Aliphatics >C5-C44	<100 µg/kg	TM173		4200000	3090000	386000	677000	2450000	1040000
Total Aromatics >C5-35	<100 µg/kg	TM173		2630000	1910000	323000	401000	1570000	651000
Total Aromatics >C6-C44	<100 µg/kg	TM173		3580000	2650000	414000	572000	2290000	897000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		5920000	4170000	655000	938000	3320000	1480000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		7770000	5740000	800000	1250000	4740000	1940000
GRO Surrogate % recovery**	%	TM089		34	58	87	88	87	59
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 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	10.3	<10	<10	<10	<10
Total Aliphatics >C5-C12	<10 µg/kg	TM089		<10	18.6	<10	<10	<10	<10
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		<10	10.3	<10	<10	<10	<10
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP23 01	SP23 02	SP23 03	SP23 04	SP23 05	SP23 06
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2227909	2227918	2227925	2230004	2230005	2230007
			AGS Reference						
Dibromofluoromethane**	%	TM116		102	108	103	103	101	101
Toluene-d8**	%	TM116		77.5	82.9	91.3	92.1	93.9	88.2
4-Bromofluorobenzene**	%	TM116		165	153	139	129	124	148
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		9.82 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Chorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<4 M

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP23 01	SP23 02	SP23 03	SP23 04	SP23 05	SP23 06
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2227909	2227918	2227925	2230004	2230005	2230007
			AGS Reference						
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M

Validated

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP24 01	SP24 02	SP24 03	SP25 01	SP25 02	SP26 01
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223979	2224026	2223983	2224029	2224019	2223812
			AGS Reference						
Asbestos Containing Material Screen	-	TM001		No ACM Detected	Possible ACM	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected
Organic Carbon, Total	<0.2 %	TM132		2.19 #		1.38 #	1.94 #	1.29 #	1.19 #
pH	1 pH Units	TM133		8.62 M		8.54 M	8.81 M	8.66 M	7.83 #
Arsenic	<0.6 mg/kg	TM181		21.2 M		14.2 M	29 M	15.9 M	4.59 #
Cadmium	<0.02 mg/kg	TM181		0.92 M		0.475 M	1.13 M	0.766 M	0.6 #
Chromium	<0.9 mg/kg	TM181		25.5 M		12.4 M	17.5 M	16.2 M	16.5 #
Copper	<1.4 mg/kg	TM181		75.3 M		57.7 M	196 M	56.1 M	89.7 #
Lead	<0.7 mg/kg	TM181		209 M		53.1 M	121 M	120 M	14.8 #
Mercury	<0.14 mg/kg	TM181		<0.14 M		<0.14 M	<0.14 M	<0.14 M	<0.14 #
Nickel	<0.2 mg/kg	TM181		20.6 M		14 M	29.2 M	23.4 M	41 #
Selenium	<1 mg/kg	TM181		1.35 #		<1 #	<1 #	1.27 #	<1 #
Vanadium	<0.2 mg/kg	TM181		31.7 #		14.3 #	42.7 #	37.6 #	15.7 #
Zinc	<1.9 mg/kg	TM181		504 M		191 M	355 M	260 M	109 #

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP26 01
			Depth (m)	
			Sample Type	Soil/Solid
			Date Sampled	12/10/2010
			Date Received	13/10/2010
			SDG Ref	101013-37
			Lab Sample No.(s)	2223812
			AGS Reference	
Naphthalene-d8 % recovery**	%	TM218		99.6
Acenaphthene-d10 % recovery**	%	TM218		97.3
Phenanthrene-d10 % recovery**	%	TM218		100
Chrysene-d12 % recovery**	%	TM218		88
Perylene-d12 % recovery**	%	TM218		96.9
Naphthalene	<9 µg/kg	TM218		57.7 #
Acenaphthylene	<12 µg/kg	TM218		118 #
Acenaphthene	<8 µg/kg	TM218		32 #
Fluorene	<10 µg/kg	TM218		32.6 #
Phenanthrene	<15 µg/kg	TM218		238 #
Anthracene	<16 µg/kg	TM218		266 #
Fluoranthene	<17 µg/kg	TM218		999 #
Pyrene	<15 µg/kg	TM218		856 #
Benz(a)anthracene	<14 µg/kg	TM218		343 #
Chrysene	<10 µg/kg	TM218		523 #
Benzo(b)fluoranthene	<15 µg/kg	TM218		569 #
Benzo(k)fluoranthene	<14 µg/kg	TM218		193 #
Benzo(a)pyrene	<15 µg/kg	TM218		236 #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		154 #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		61.4 #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		176 #
Polyaromatic hydrocarbons, Total USEPA 16	<118 µg/kg	TM218		4850 #

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP24 01	SP24 03	SP25 01	SP25 02		
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010		
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010		
			SDG Ref	101013-37	101013-37	101013-37	101013-37		
			Lab Sample No.(s)	2223979	2223983	2224029	2224019		
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157		181	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100		
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		667	844	<100	<100		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP24 01	SP24 03	SP25 01	SP25 02
			Depth (m)				
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223979	2223983	2224029	2224019
			AGS Reference				
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		210	180	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		160	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		813	194	251	275
Benzo(b)fluoranthene	<100 µg/kg	TM157		823	245	458	428
Benzo(k)fluoranthene	<100 µg/kg	TM157		704	173	296	311
Benzo(a)pyrene	<100 µg/kg	TM157		926	228	431	455
Benzo(g,h,i)perylene	<100 µg/kg	TM157		576	165	341	320
Chrysene	<100 µg/kg	TM157		1100	406	356	366
Fluoranthene	<100 µg/kg	TM157		1730	201	372	341
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		548	136	292	295
Phenanthrene	<100 µg/kg	TM157		652	134	235	121
Pyrene	<100 µg/kg	TM157		1680	637	316	356
Naphthalene	<100 µg/kg	TM157		134	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		173	<100	<100	<100

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP24 01	SP24 03	SP25 01	SP25 02	SP26 01
			Depth (m)					
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223979	2223983	2224029	2224019	2223812
			AGS Reference					
Aliphatics >C12-C16	<100 µg/kg	TM173		98400	48900	6260	<100	9310
Aliphatics >C16-C21	<100 µg/kg	TM173		376000	427000	36700	41800	33600
Aliphatics >C21-C35	<100 µg/kg	TM173		1650000	1490000	952000	281000	100000
Aliphatics >C35-C44	<100 µg/kg	TM173		459000	221000	397000	86200	24700
Aromatics >EC12-EC16	<100 µg/kg	TM173		32400	23900	4910	3650	4070
Aromatics >EC16-EC21	<100 µg/kg	TM173		199000	289000	21100	150000	11100
Aromatics >EC21-EC35	<100 µg/kg	TM173		731000	799000	440000	<100	39100
Aromatics >EC35-EC44	<100 µg/kg	TM173		207000	192000	311000	71900	21000
Aromatics >EC40-EC44	<100 µg/kg	TM173		73800	75800	121000	29300	9900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2580000	2190000	1390000	409000	168000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1170000	1300000	777000	226000	75300
Total Aliphatics >C5-35	<100 µg/kg	TM173		2120000	1970000	995000	323000	
Total Aliphatics >C5-C44	<100 µg/kg	TM173		2580000	2190000	1390000	409000	
Total Aromatics >C5-35	<100 µg/kg	TM173		962000	1110000	466000	154000	
Total Aromatics >C6-C44	<100 µg/kg	TM173		1170000	1300000	777000	226000	
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		3080000	3080000	1460000	476000	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3750000	3490000	2170000	634000	
GRO Surrogate % recovery**	%	TM089		47	42	58	75	
GRO >C5-C12	<44 µg/kg	TM089		190	327	<44	<44	
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	
Toluene	<2 µg/kg	TM089		2.15 M	<2 M	2.22 M	<2 M	
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	
Aliphatics >C6-C8	<10 µg/kg	TM089		16.2	20.1	<10	<10	
Aliphatics >C8-C10	<10 µg/kg	TM089		22.6	29.6	<10	<10	
Aliphatics >C10-C12	<10 µg/kg	TM089		74.3	149	12.2	<10	
Total Aliphatics >C5-C12	<10 µg/kg	TM089		116	203	24.4	<10	
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	
Aromatics >EC8-EC10	<10 µg/kg	TM089		20.5	23.2	<10	<10	
Aromatics >EC10-EC12	<10 µg/kg	TM089		49.5	99.3	<10	<10	
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		72.2	124	21.1	<10	
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	
BTEX, Total	<10 µg/kg	TM089		<10	<10	<10	<10	

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP24 01	SP24 03	SP25 01	SP25 02		
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010		
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010		
			SDG Ref	101013-37	101013-37	101013-37	101013-37		
			Lab Sample No.(s)	2223979	2223983	2224029	2224019		
			AGS Reference						
Dibromofluoromethane**	%	TM116		97.6	97.7	94.9	98.5		
Toluene-d8**	%	TM116		84.7	78.4	89.5	93		
4-Bromofluorobenzene**	%	TM116		160	166	138	126		
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M		
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #		
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M		
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
Trichlorofluorormethane	<6 µg/kg	TM116		21.7 M	<6 M	<6 M	<6 M		
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Carbon Disulphide	<7 µg/kg	TM116		30 M	49.2 M	<7 M	<7 M		
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M		
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M		
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M		
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M		
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M		
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M		
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M		
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M		
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M		
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M		
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M		
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M		
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M		
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M		
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M		
Toluene	<5 µg/kg	TM116		9.15 M	5.81 M	6.84 M	<5 M		
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14		
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #		
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M		
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M		
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M		
Chorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M		
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M		
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	8.01 M	<4 M		

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP24 01	SP24 03	SP25 01	SP25 02
			Depth (m)				
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223979	2223983	2224029	2224019
			AGS Reference				
p/m-Xylene	<14 µg/kg	TM116		17.3 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		18.8 #	10 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP26 02	SP26 03	SP28 01	SP28 02	SP29 01	SP29 02
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223804	2223809	2224002	2224032	2223976	2224024
			AGS Reference						
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected
Organic Carbon, Total	<0.2 %	TM132		1.45 #	0.98 #	2.1 #	2.15 #	2.22 #	2.91 #
pH	1 pH Units	TM133		7.23 #	7.09 #	8.63 M	8.73 M	8.23 M	8.23 M
Arsenic	<0.6 mg/kg	TM181		4.25 #	5.55 #	22.9 M	26.3 M	4.92 M	57 M
Cadmium	<0.02 mg/kg	TM181		0.641 #	0.531 #	0.785 M	0.713 M	0.231 M	1.69 M
Chromium	<0.9 mg/kg	TM181		14.8 #	14.2 #	28.8 M	29.5 M	3.87 M	21.5 M
Copper	<1.4 mg/kg	TM181		147 #	175 #	91 M	89.5 M	138 M	199 M
Lead	<0.7 mg/kg	TM181		16.9 #	15.9 #	70.7 M	56.1 M	34.6 M	170 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 #	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		37 #	44.9 #	30.3 M	22.3 M	5.28 M	34.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.24 #	1.11 #	<1 #	1.6 #
Vanadium	<0.2 mg/kg	TM181		11.3 #	11.1 #	23.7 #	27.1 #	4.72 #	26 #
Zinc	<1.9 mg/kg	TM181		108 #	95.4 #	147 M	140 M	303 M	467 M

Validated

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP26 02	SP26 03	SP28 01	SP28 02	SP29 01	SP29 02
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223804	2223809	2224002	2224032	2223976	2224024
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		95	99.6	99.3	101	101	101
Acenaphthene-d10 % recovery**	%	TM218		94.8	98.8	99	100	101	99.9
Phenanthrene-d10 % recovery**	%	TM218		99.3	102	102	102	104	105
Chrysene-d12 % recovery**	%	TM218		91.8	86.9	97.5	91.6	92	90.4
Perylene-d12 % recovery**	%	TM218		102	94.4	108	104	103	99.9
Naphthalene	<9 µg/kg	TM218		108 #	456 #	208 M	210 M	197 M	283 M
Acenaphthylene	<12 µg/kg	TM218		63.6 #	860 #	42.6 M	39.3 M	93.3 M	565 M
Acenaphthene	<8 µg/kg	TM218		40.3 #	232 #	178 M	126 M	157 M	2130 M
Fluorene	<10 µg/kg	TM218		34.2 #	225 #	182 M	141 M	171 M	2670 M
Phenanthrene	<15 µg/kg	TM218		132 #	1320 #	1510 M	1480 M	2140 M	17100 M
Anthracene	<16 µg/kg	TM218		148 #	1960 #	291 M	249 M	406 M	4970 M
Fluoranthene	<17 µg/kg	TM218		366 #	8340 #	1840 M	1720 M	4930 M	24000 M
Pyrene	<15 µg/kg	TM218		292 #	6550 #	1950 M	1890 M	3910 M	15400 M
Benz(a)anthracene	<14 µg/kg	TM218		143 #	2470 #	1250 M	1050 M	2790 M	12500 M
Chrysene	<10 µg/kg	TM218		200 #	3110 #	1570 M	1340 M	2790 M	10500 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		332 #	4460 #	1960 M	1790 M	4420 M	12500 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		83.2 #	1290 #	683 M	612 M	1520 M	4780 M
Benzo(a)pyrene	<15 µg/kg	TM218		104 #	1650 #	1480 M	1240 M	2930 M	8300 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		83.8 #	1090 #	934 M	764 M	1730 M	4560 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		28 #	409 #	391 M	373 M	656 M	1870 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		98.8 #	1140 #	1280 M	1110 M	2060 M	4780 M
Polyaromatic hydrocarbons, Total USEPA 16	<118 µg/kg	TM218		2260 #	35600 #	15800 M	14100 M	30900 M	127000 M

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP26 02	SP26 03	SP28 01	SP28 02	SP29 01	SP29 02
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223804	2223809	2224002	2224032	2223976	2224024
			AGS Reference						
Aliphatics >C12-C16	<100 µg/kg	TM173		10200	3790	120000	15300	7790	6190
Aliphatics >C16-C21	<100 µg/kg	TM173		43000	21600	65100	32900	21700	17900
Aliphatics >C21-C35	<100 µg/kg	TM173		199000	97600	110000	92700	90200	85400
Aliphatics >C35-C44	<100 µg/kg	TM173		67400	41000	33900	25600	27400	41000
Aromatics >EC12-EC16	<100 µg/kg	TM173		3400	3510	17100	8900	5510	9030
Aromatics >EC16-EC21	<100 µg/kg	TM173		15000	17100	36200	28600	30000	48500
Aromatics >EC21-EC35	<100 µg/kg	TM173		64600	68600	195000	170000	192000	219000
Aromatics >EC35-EC44	<100 µg/kg	TM173		29700	31000	108000	78900	99900	114000
Aromatics >EC40-EC44	<100 µg/kg	TM173		11500	11500	46500	33000	38700	44200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		319000	164000	330000	167000	147000	151000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		113000	120000	356000	286000	328000	390000
Total Aliphatics >C5-35	<100 µg/kg	TM173		252000		296000	141000	120000	110000
Total Aliphatics >C5-C44	<100 µg/kg	TM173		319000		330000	167000	147000	151000
Total Aromatics >C5-35	<100 µg/kg	TM173		83000		249000	207000	228000	276000
Total Aromatics >C6-C44	<100 µg/kg	TM173		113000		356000	286000	328000	390000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		335000		545000	349000	348000	386000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		432000		686000	453000	475000	541000
GRO Surrogate % recovery**	%	TM089		78		47	50	44	38
GRO >C5-C12	<44 µg/kg	TM089		<44		<44	327	<44	<44
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #		<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 #		<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		5.02 #		<2 M	<2 M	2.17 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 #		<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 #		<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 #		<3 M	<3 M	<3 M	<3 M
Aliphatics >C5-C6	<10 µg/kg	TM089		<10		<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10		<10	14.1	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10		<10	29.3	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10		10.7	152	<10	<10
Total Aliphatics >C5-C12	<10 µg/kg	TM089		<10		23.5	200	<10	<10
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10		<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10		<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10		<10	21.7	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10		<10	102	<10	<10
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		14		16	126	<10	<10
m,p,o-Xylene	<10 µg/kg	TM089		<10		<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10		<10	<10	<10	<10

Validated

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref. / Depth (m) / Sample Type / Date Sampled / Date Received / SDG Ref / Lab Sample No.(s) / AGS Reference					
			SP29 03	SP30 01	SP30 02	SP31 01	SP31 02	SP31 03
			Soil/Solid 12/10/2010 13/10/2010 101013-37 2223997	Soil/Solid 12/10/2010 13/10/2010 101013-37 2223872	Soil/Solid 12/10/2010 13/10/2010 101013-37 2223904	Soil/Solid 12/10/2010 13/10/2010 101013-37 2223847	Soil/Solid 12/10/2010 13/10/2010 101013-37 2223759	Soil/Solid 12/10/2010 13/10/2010 101013-37 2223816
Asbestos Containing Material Screen	-	TM001	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected
Organic Carbon, Total	<0.2 %	TM132	5.49 #	12.5 #	8.78 #	0.87 #	1.19 #	0.93 #
pH	1 pH Units	TM133	8.05 M	4.76 #	4.91 #	8.71 #	9.05 M	7.6 M
Arsenic	<0.6 mg/kg	TM181	36.8 M	171 #	11.9 #	5.98 #	9.98 M	7.98 M
Cadmium	<0.02 mg/kg	TM181	2.33 M	4.54 #	0.771 #	0.521 #	0.574 M	0.591 M
Chromium	<0.9 mg/kg	TM181	61.8 M	5.96 #	14.7 #	10.9 #	13.2 M	12.3 M
Copper	<1.4 mg/kg	TM181	221 M	233 #	22.3 #	18.9 #	24.8 M	55 M
Lead	<0.7 mg/kg	TM181	342 M	387 #	8.72 #	33.7 #	30.6 M	13.5 M
Mercury	<0.14 mg/kg	TM181	0.767 M	<0.14 #	<0.14 #	<0.14 #	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181	64.8 M	25.9 #	45.6 #	19.7 #	31.2 M	22.9 M
Selenium	<1 mg/kg	TM181	2.42 #	2.75 #	3.07 #	<1 #	<1 #	1.28 #
Vanadium	<0.2 mg/kg	TM181	41 #	11.6 #	15.6 #	75.4 #	107 #	14.8 #
Zinc	<1.9 mg/kg	TM181	399 M	697 #	88.5 #	146 #	184 M	69.9 M

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP29 03	SP30 01	SP30 02
			Depth (m)			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223997	2223872	2223904
			AGS Reference			
Naphthalene-d8 % recovery**	%	TM218		101	114	110
Acenaphthene-d10 % recovery**	%	TM218		101	114	109
Phenanthrene-d10 % recovery**	%	TM218		107	116	112
Chrysene-d12 % recovery**	%	TM218		85.3	107	106
Perylene-d12 % recovery**	%	TM218		93.8	117	120
Naphthalene	<9 µg/kg	TM218		897 M	95.6 #	44.7 #
Acenaphthylene	<12 µg/kg	TM218		197 M	22.2 #	22.7 #
Acenaphthene	<8 µg/kg	TM218		193 M	26.8 #	<8 #
Fluorene	<10 µg/kg	TM218		343 M	27.8 #	<10 #
Phenanthrene	<15 µg/kg	TM218		4510 M	304 #	71.1 #
Anthracene	<16 µg/kg	TM218		787 M	66.9 #	<16 #
Fluoranthene	<17 µg/kg	TM218		4190 M	366 #	<17 #
Pyrene	<15 µg/kg	TM218		4920 M	269 #	<15 #
Benz(a)anthracene	<14 µg/kg	TM218		2300 M	214 #	<14 #
Chrysene	<10 µg/kg	TM218		2780 M	196 #	<10 #
Benzo(b)fluoranthene	<15 µg/kg	TM218		3240 M	238 #	<15 #
Benzo(k)fluoranthene	<14 µg/kg	TM218		1110 M	116 #	<14 #
Benzo(a)pyrene	<15 µg/kg	TM218		1860 M	165 #	<15 #
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		1320 M	133 #	<18 #
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		650 M	65.2 #	<23 #
Benzo(g,h,i)perylene	<24 µg/kg	TM218		1860 M	143 #	<24 #
Polyaromatic hydrocarbons, Total USEPA 16	<118 µg/kg	TM218		31200 M	2450 #	139 #

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP31 01	SP31 02	SP31 03
			Depth (m)			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223847	2223759	2223816
			AGS Reference			
Phenol	<100 µg/kg	TM157		<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		612	1380	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP31 01	SP31 02	SP31 03
			Depth (m)			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223847	2223759	2223816
			AGS Reference			
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		167	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		185	122	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		179	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		211	137	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		147	<100	<100
Chrysene	<100 µg/kg	TM157		261	168	<100
Fluoranthene	<100 µg/kg	TM157		262	162	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		118	<100	<100
Phenanthrene	<100 µg/kg	TM157		127	<100	<100
Pyrene	<100 µg/kg	TM157		298	212	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP29 03	SP30 01	SP30 02	SP31 01	SP31 02	SP31 03
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223997	2223872	2223904	2223847	2223759	2223816
			AGS Reference						
Aliphatics >C12-C16	<100 µg/kg	TM173		1470000	3290	4250	14900	17000	12800
Aliphatics >C16-C21	<100 µg/kg	TM173		926000	4160	9110	200000	154000	21100
Aliphatics >C21-C35	<100 µg/kg	TM173		353000	177000	345000	557000	529000	43900
Aliphatics >C35-C44	<100 µg/kg	TM173		238000	3490	11200	120000	135000	17100
Aromatics >EC12-EC16	<100 µg/kg	TM173		147000	5520	6660	6740	5770	5110
Aromatics >EC16-EC21	<100 µg/kg	TM173		286000	8670	12000	43600	49700	9880
Aromatics >EC21-EC35	<100 µg/kg	TM173		679000	791000	868000	179000	269000	26300
Aromatics >EC35-EC44	<100 µg/kg	TM173		355000	273000	359000	98000	142000	20600
Aromatics >EC40-EC44	<100 µg/kg	TM173		137000	57500	136000	40200	58700	9900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2990000	187000	369000	891000	835000	94800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1470000	1080000	1250000	328000	466000	61900
Total Aliphatics >C5-35	<100 µg/kg	TM173		2750000	184000	358000	771000	700000	77900
Total Aliphatics >C5-C44	<100 µg/kg	TM173		2990000	187000	369000	891000	835000	95000
Total Aromatics >C5-35	<100 µg/kg	TM173		1110000	806000	887000	230000	324000	41400
Total Aromatics >C6-C44	<100 µg/kg	TM173		1470000	1080000	1250000	328000	466000	62000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		3860000	990000	1240000	1000000	1020000	119000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		4450000	1270000	1610000	1220000	1300000	157000
GRO Surrogate % recovery**	%	TM089		33	45	15	71	73	103
GRO >C5-C12	<44 µg/kg	TM089		256	<88	<44	<44	74.2	285
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<10 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<20 #	<10 #	<10 #	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<4 #	<2 #	<2 #	<2 M	2.09 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<6 #	<3 #	<3 #	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<12 #	<6 #	<6 #	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<6 #	<3 #	<3 #	<3 M	<3 M
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<20	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		21.1	<20	<10	<10	<10	36.6
Aliphatics >C8-C10	<10 µg/kg	TM089		20	<20	<10	<10	12.9	35.6
Aliphatics >C10-C12	<10 µg/kg	TM089		115	<20	<10	<10	24.7	106
Total Aliphatics >C5-C12	<10 µg/kg	TM089		162	<20	<10	<10	41.9	182
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<20	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<20	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		15.5	<20	<10	<10	12.9	27.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		76.6	<20	<10	<10	16.1	70.1
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		94.4	<20	<10	<10	31.2	100
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP31 01	SP31 02	SP31 03
			Depth (m)			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223847	2223759	2223816
			AGS Reference			
Dibromofluoromethane**	%	TM116		98	96	102
Toluene-d8**	%	TM116		86.3	89.8	96.7
4-Bromofluorobenzene**	%	TM116		145	136	120
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 #	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 #	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 #	<7 M	8.62 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 #	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 #	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 #	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 #	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 #	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		9.81 #	<7 M	10.1 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 #	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 #	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 #	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 #	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 #	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 #	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 #	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 #	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 #	<5 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 #	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 M	<13 M
1.2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 M	<12 M
Chorobenzene	<5 µg/kg	TM116		<5 #	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 #	<4 M	5.58 M

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP31 01	SP31 02	SP31 03
			Depth (m)			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223847	2223759	2223816
			AGS Reference			
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 #	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 #	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 #	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 #	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 #	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 #	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 #	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 M	<6 M

Validated

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SP31 04		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223823	
			SP31 05		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223795	
			SP32 01		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223991	
			SP32 02		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223974	
			SP33 01		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223948	
Asbestos Containing Material Screen	-	TM001	No ACM Detected							
Organic Carbon, Total	<0.2 %	TM132	1.35 #							
			1.12 #							
			1.69 #							
			1.75 #							
			1.17 #							
pH	1 pH Units	TM133	8.53 M							
			8.96 M							
			8.43 M							
			7.61 M							
			8.62 M							
Arsenic	<0.6 mg/kg	TM181	12.7 M							
			27.9 M							
			19.7 M							
			26.7 M							
			15.1 M							
Cadmium	<0.02 mg/kg	TM181	0.66 M							
			0.799 M							
			0.775 M							
			1.02 M							
			0.719 M							
Chromium	<0.9 mg/kg	TM181	12.2 M							
			13.9 M							
			14.5 M							
			15.7 M							
			27.7 M							
Copper	<1.4 mg/kg	TM181	20.8 M							
			39.4 M							
			43.9 M							
			72 M							
			87.2 M							
Lead	<0.7 mg/kg	TM181	31.2 M							
			192 M							
			90 M							
			70.2 M							
			441 M							
Mercury	<0.14 mg/kg	TM181	<0.14 M							
			2 M							
			<0.14 M							
			<0.14 M							
			<0.14 M							
Nickel	<0.2 mg/kg	TM181	19.9 M							
			19.7 M							
			20 M							
			19 M							
			96.2 M							
Selenium	<1 mg/kg	TM181	1.01 #							
			<1 #							
			1.19 #							
			1.49 #							
			<1 #							
Vanadium	<0.2 mg/kg	TM181	15.6 #							
			20.4 #							
			20.4 #							
			19.3 #							
			450 #							
Zinc	<1.9 mg/kg	TM181	176 M							
			372 M							
			171 M							
			142 M							
			390 M							

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP31 04	SP31 05	SP32 01	SP32 02	SP33 01
			Depth (m)					
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223823	2223795	2223991	2223974	2223948
			AGS Reference					
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<200	<200	<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	122	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	147	<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	164
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
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

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP31 04	SP31 05	SP32 01	SP32 02	SP33 01
			Depth (m)					
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223823	2223795	2223991	2223974	2223948
			AGS Reference					
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	172	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		194	<100	674	122	195
Benzo(b)fluoranthene	<100 µg/kg	TM157		193	126	527	110	421
Benzo(k)fluoranthene	<100 µg/kg	TM157		171	<100	483	128	368
Benzo(a)pyrene	<100 µg/kg	TM157		252	125	605	148	440
Benzo(g,h,i)perylene	<100 µg/kg	TM157		163	<100	307	<100	424
Chrysene	<100 µg/kg	TM157		250	109	708	162	306
Fluoranthene	<100 µg/kg	TM157		282	<100	1230	179	294
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		148	<100	292	<100	324
Phenanthrene	<100 µg/kg	TM157		132	<100	930	<100	146
Pyrene	<100 µg/kg	TM157		281	<100	890	150	254
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP31 04	SP31 05	SP32 01	SP32 02	SP33 01
			Depth (m)					
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223823	2223795	2223991	2223974	2223948
			AGS Reference					
Aliphatics >C12-C16	<100 µg/kg	TM173		12400	5050	9200	5700	7230
Aliphatics >C16-C21	<100 µg/kg	TM173		43000	16200	35100	13200	42500
Aliphatics >C21-C35	<100 µg/kg	TM173		110000	191000	105000	86300	451000
Aliphatics >C35-C44	<100 µg/kg	TM173		36700	75600	24600	41100	198000
Aromatics >EC12-EC16	<100 µg/kg	TM173		5340	4210	3460	2780	4190
Aromatics >EC16-EC21	<100 µg/kg	TM173		15000	8040	12300	6130	17300
Aromatics >EC21-EC35	<100 µg/kg	TM173		58500	94500	71000	71300	228000
Aromatics >EC35-EC44	<100 µg/kg	TM173		45100	104000	48200	78400	202000
Aromatics >EC40-EC44	<100 µg/kg	TM173		20800	47200	20400	32700	81900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		202000	288000	174000	146000	699000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		124000	211000	135000	159000	451000
Total Aliphatics >C5-35	<100 µg/kg	TM173		166000	212000	149000	105000	501000
Total Aliphatics >C5-C44	<100 µg/kg	TM173		203000	288000	174000	146000	699000
Total Aromatics >C5-35	<100 µg/kg	TM173		78900	107000	86900	80300	249000
Total Aromatics >C6-C44	<100 µg/kg	TM173		124000	211000	135000	159000	451000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		245000	319000	236000	186000	750000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		327000	498000	309000	305000	1150000
GRO Surrogate % recovery**	%	TM089		81	81	99	69	53
GRO >C5-C12	<44 µg/kg	TM089		107	<44	74.2	<44	<44
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	2.13 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
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		12.4	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		18.6	<10	10.4	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		31	<10	24.4	<10	<10
Total Aliphatics >C5-C12	<10 µg/kg	TM089		66.2	<10	46.4	<10	<10
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		17.6	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		20.7	<10	16.2	<10	<10
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		40.3	<10	27.8	<10	<10
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	<10	<10	<10

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SP31 04	SP31 05	SP32 01	SP32 02	SP33 01
			Depth (m)					
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010
			Date Received	13/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010
			SDG Ref	101013-37	101013-37	101013-37	101013-37	101013-37
			Lab Sample No.(s)	2223823	2223795	2223991	2223974	2223948
			AGS Reference					
Dibromofluoromethane**	%	TM116		105	98.8	98	104	93.5
Toluene-d8**	%	TM116		95	95.4	93.4	93.7	89.2
4-Bromofluorobenzene**	%	TM116		124	121	136	130	144
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		12 M	<7 M	<7 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 M	5.78 M	10.8 M	5.95 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M
Chorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M

ALcontrol Laboratories Analytical Services

SDG	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100688

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SP31 04		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223823	
			SP31 05		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223795	
			SP32 01		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223991	
			SP32 02		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223974	
			SP33 01		Soil/Solid	12/10/2010	13/10/2010	101013-37	2223948	
p/m-Xylene	<14 µg/kg	TM116	<14 #							
o-Xylene	<10 µg/kg	TM116	<10 M							
Styrene	<10 µg/kg	TM116	<10 M							
Bromoform	<10 µg/kg	TM116	<10 M							
Isopropylbenzene	<5 µg/kg	TM116	<5 M							
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116	<10 #							
1.2.3-Trichloropropane	<17 µg/kg	TM116	<17 M							
Bromobenzene	<10 µg/kg	TM116	<10 M							
Propylbenzene	<11 µg/kg	TM116	<11 M							
2-Chlorotoluene	<9 µg/kg	TM116	<9 M							
1.3.5-Trimethylbenzene	<8 µg/kg	TM116	<8 #							
4-Chlorotoluene	<12 µg/kg	TM116	<12 M							
tert-Butylbenzene	<12 µg/kg	TM116	<12 #							
1.2.4-Trimethylbenzene	<9 µg/kg	TM116	<9 #							
sec-Butylbenzene	<10 µg/kg	TM116	<10 M							
4-Isopropyltoluene	<11 µg/kg	TM116	<11 M							
1.3-Dichlorobenzene	<6 µg/kg	TM116	<6 M							
1.4-Dichlorobenzene	<5 µg/kg	TM116	<5 M							
n-Butylbenzene	<10 µg/kg	TM116	<10 M							
1.2-Dichlorobenzene	<12 µg/kg	TM116	<12 M							
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<14 M							
Tert-amyl methyl ether	<15 µg/kg	TM116	<15							
1.2.4-Trichlorobenzene	<6 µg/kg	TM116	<6 #							
Hexachlorobutadiene	<12 µg/kg	TM116	<12							
Naphthalene	<13 µg/kg	TM116	<13 M							
1.2.3-Trichlorobenzene	<6 µg/kg	TM116	<6 M							

Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Reference:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Asbestos Identification

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP24 02 NS Z SOLID 12/10/2010 00:00:00 13/10/2010 11:08:34 101013-37 2,224,026 TM048	14/10/2010	Kevin Bowron	Typical of Asbestos Rope	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table of Results - Appendix

SDG Number : 101013-37 **Client :** H_ATKINS_LDC **Client Ref :**

REPORT KEY

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

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

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

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM001	In - house Method	Determination of asbestos containing material by screening on solids		
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546		

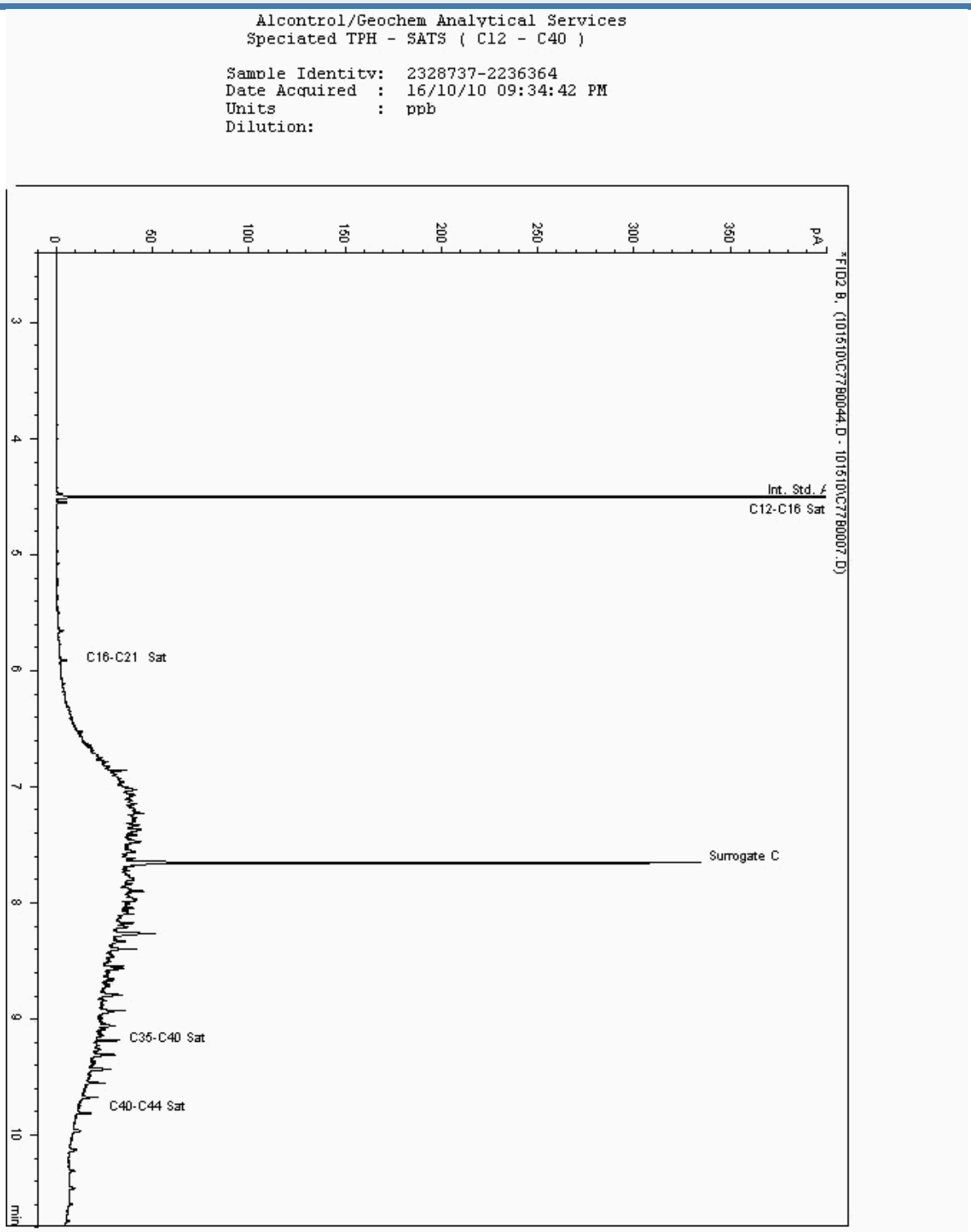
[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Chromatogram

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2236364
		Sample ID	SP23 06
		Depth	



Validated

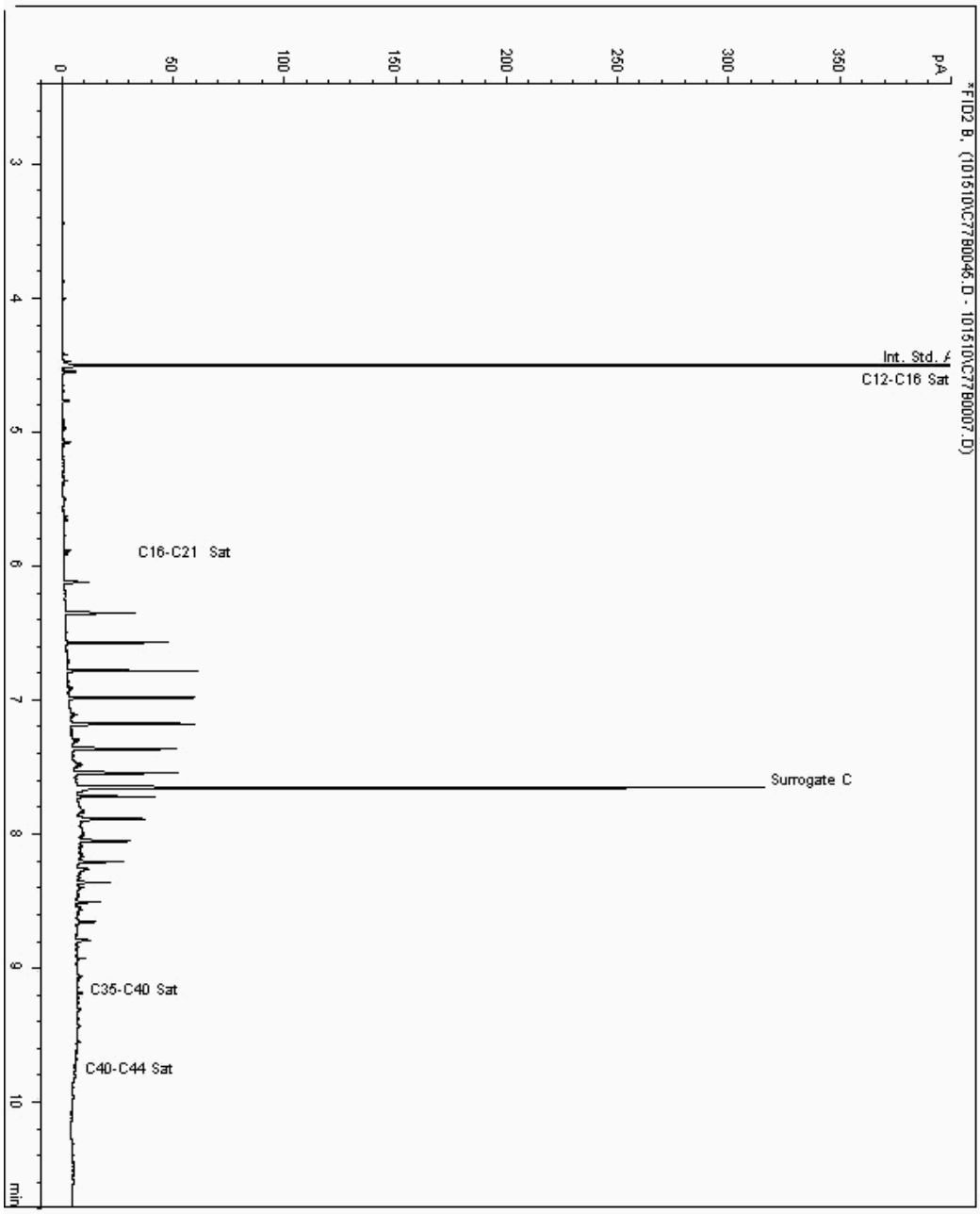
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2236393
		Sample ID	SP31 05
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328224-2236393
Date Acquired : 16/10/10 09:54:16 PM
Units : ppb
Dilution:



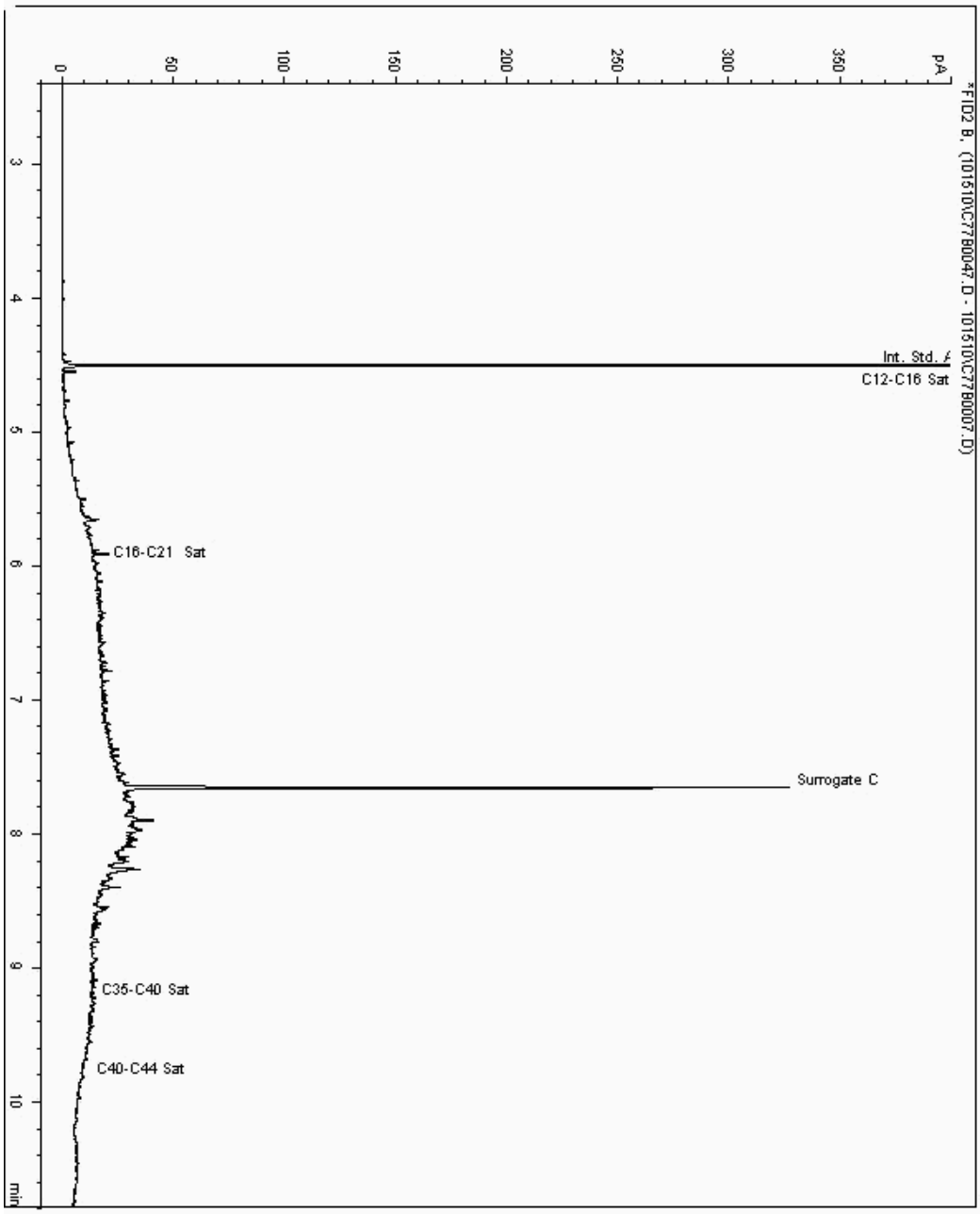
Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2236421
		Sample ID	SP31 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328208-2236421
Date Acquired : 16/10/10 10:24:05 PM
Units : ppb
Dilution:



Validated

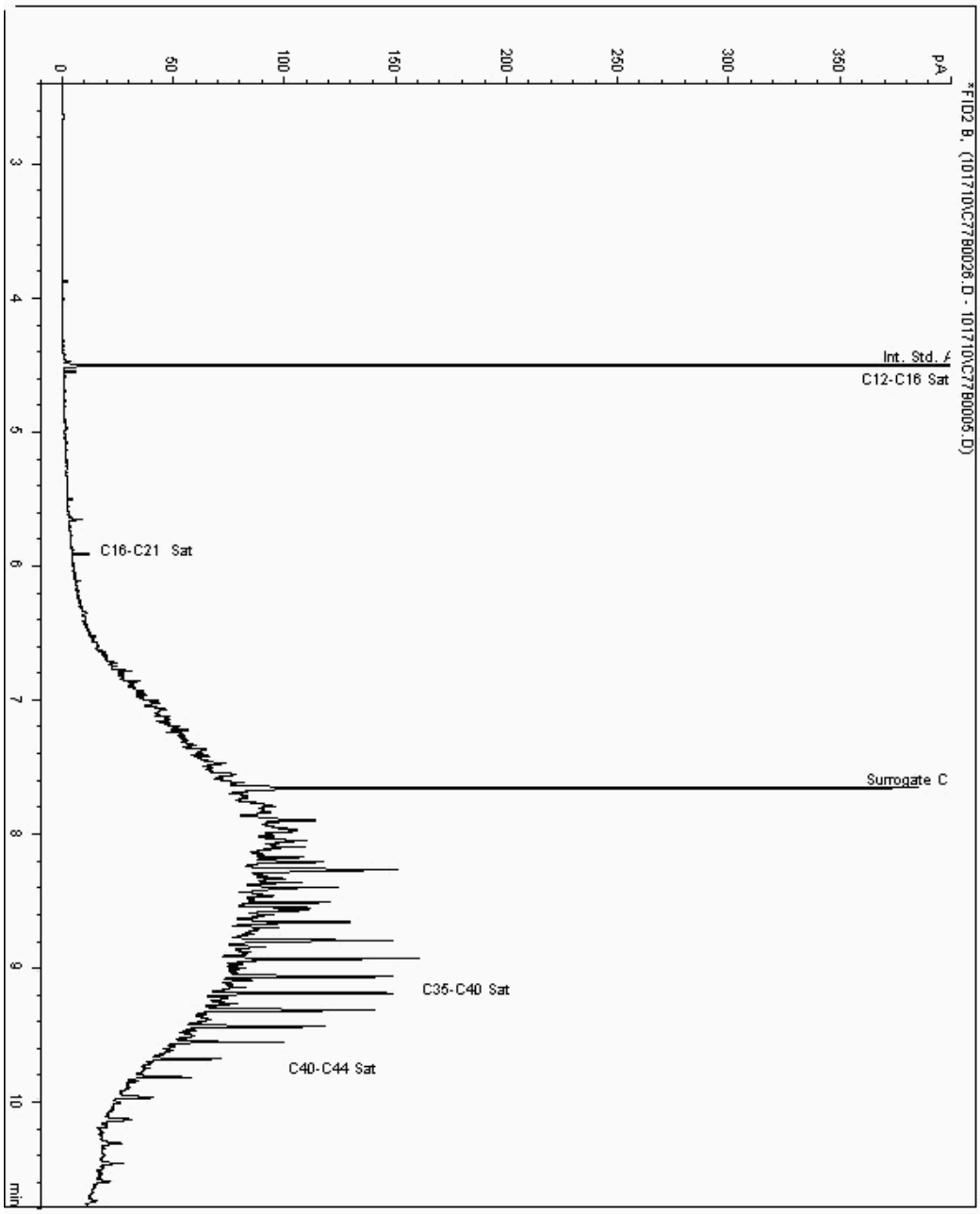
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2236446
		Sample ID	SP23 05
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328694-2236446
Date Acquired : 17/10/10 22:57:03 PM
Units : ppb
Dilution:



Validated

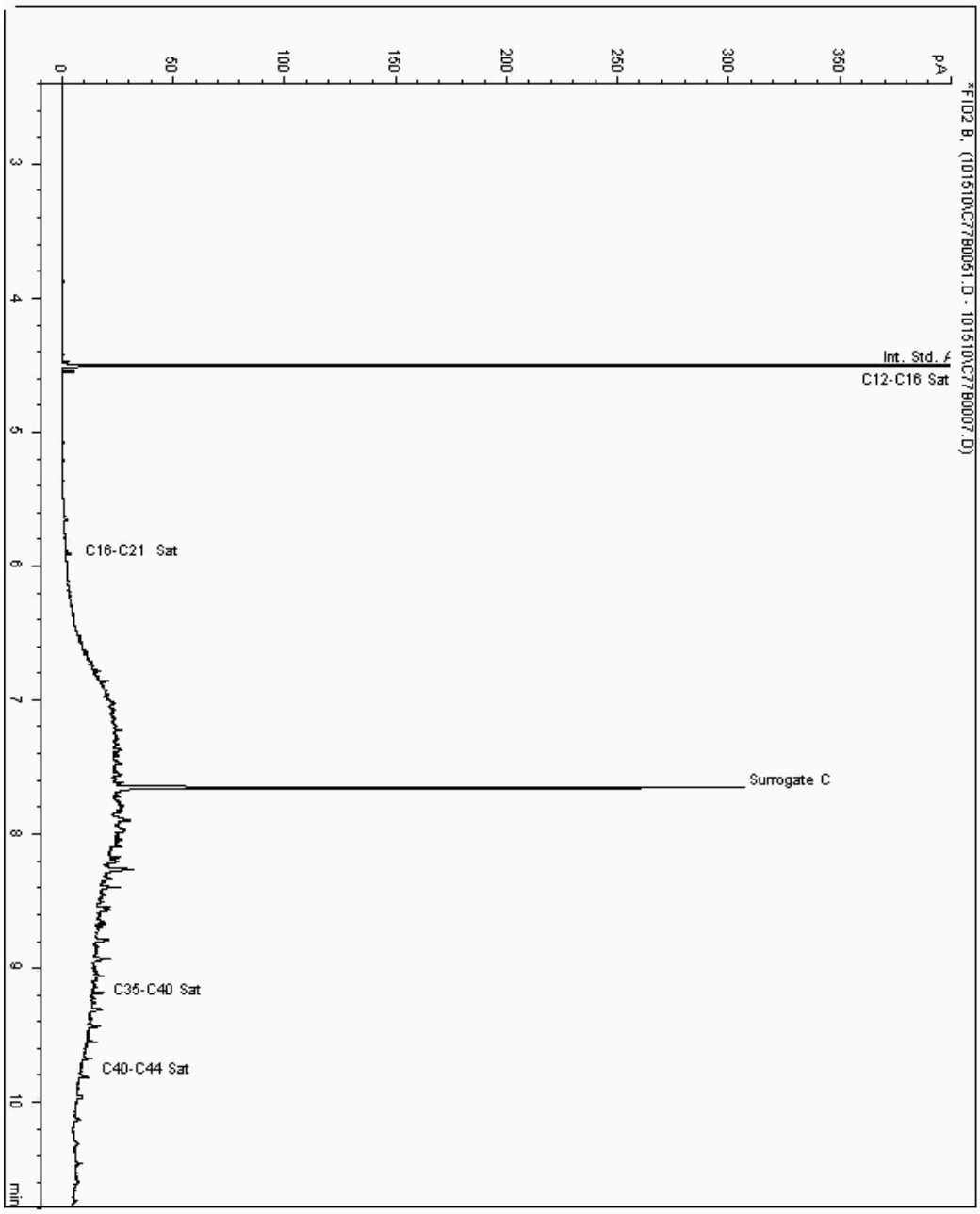
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2236468
		Sample ID	SP23 04
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328664-2236468
Date Acquired : 16/10/10 11:23:26 PM
Units : ppb
Dilution:



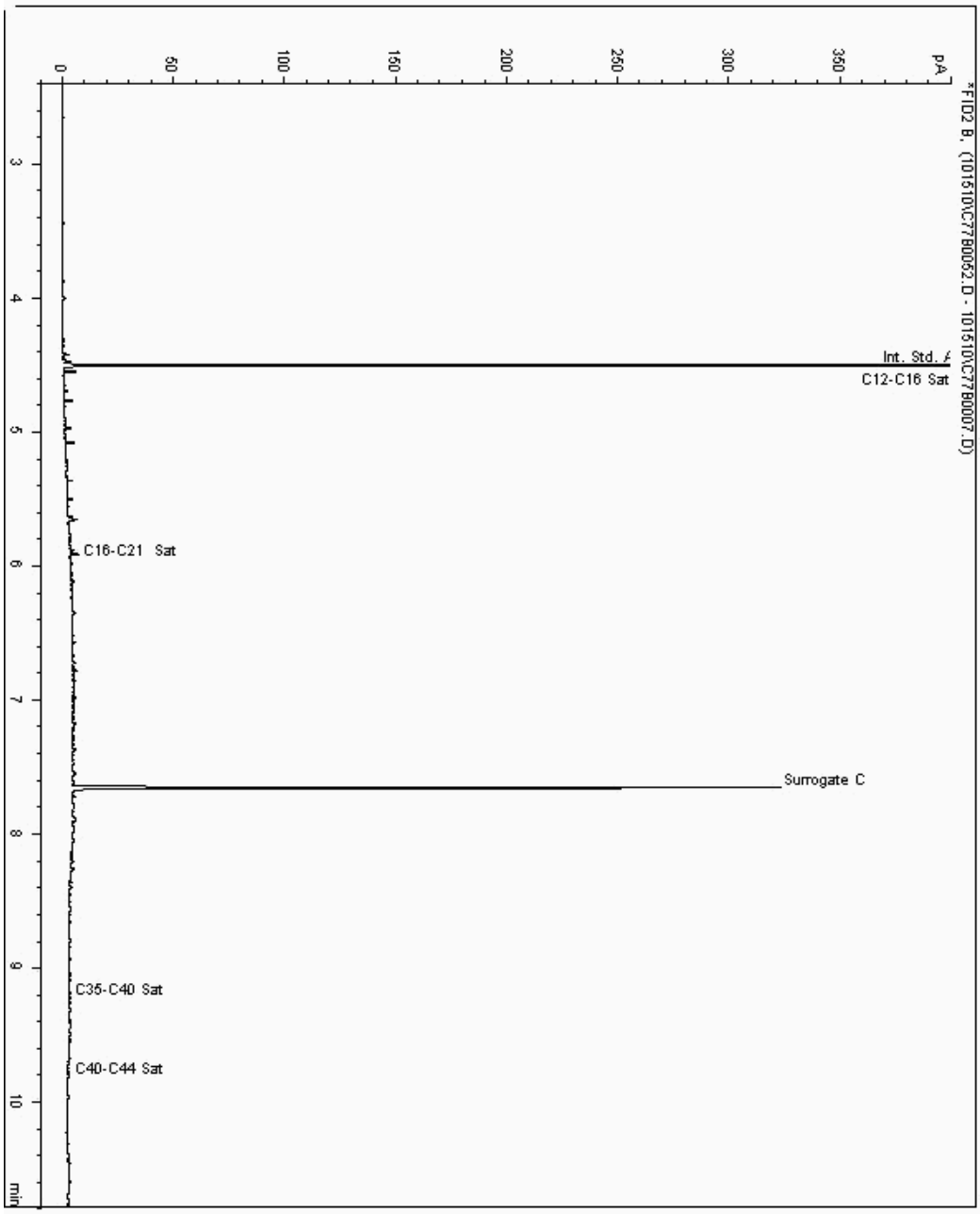
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2236486
		Sample ID	SP31 04
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328323-2236486
Date Acquired : 16/10/10 11:43:06 PM
Units : ppb
Dilution:



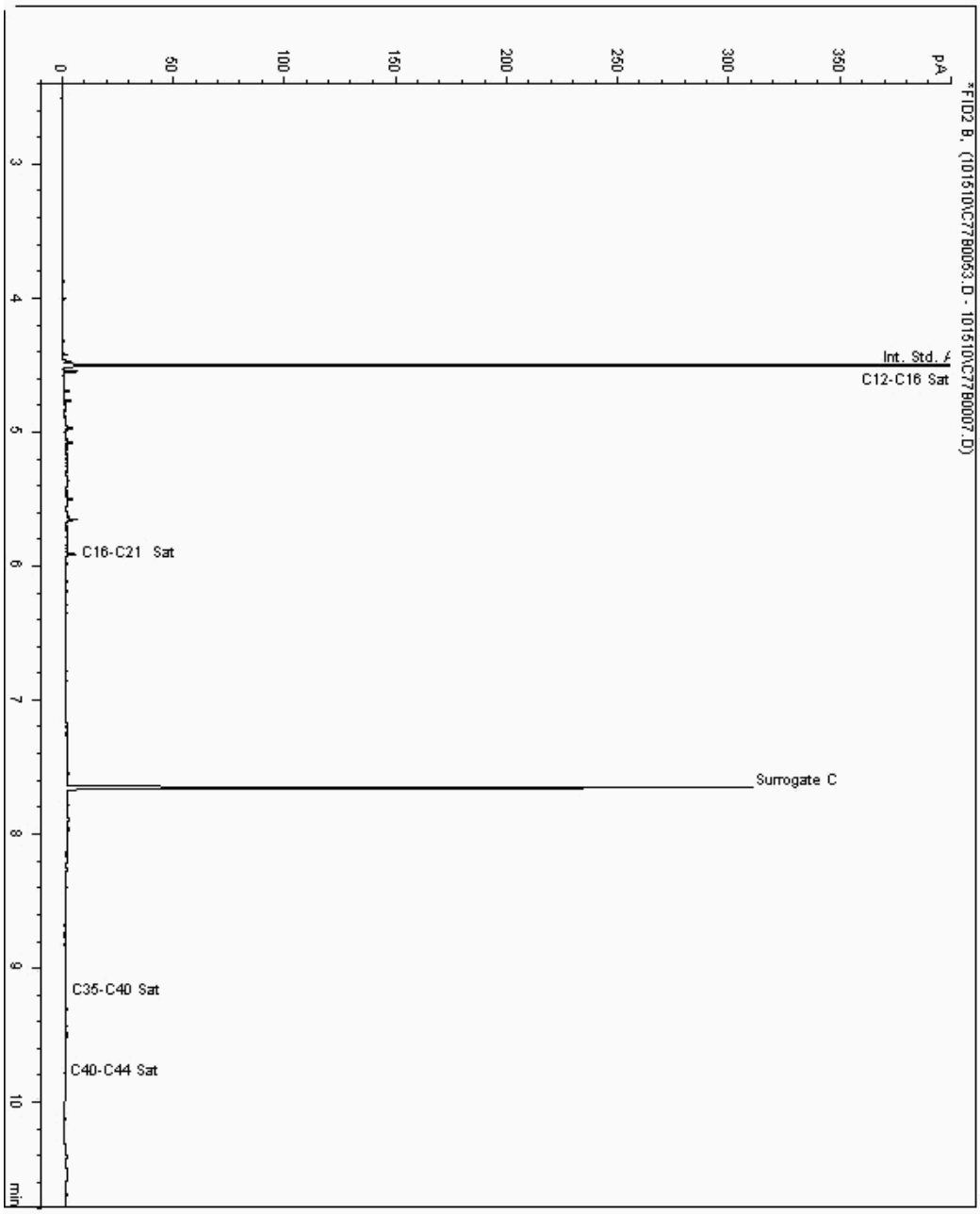
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2236510
		Sample ID	SP31 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328304-2236510
Date Acquired : 16/10/10 12:02:40 PM
Units : ppb
Dilution:



Validated

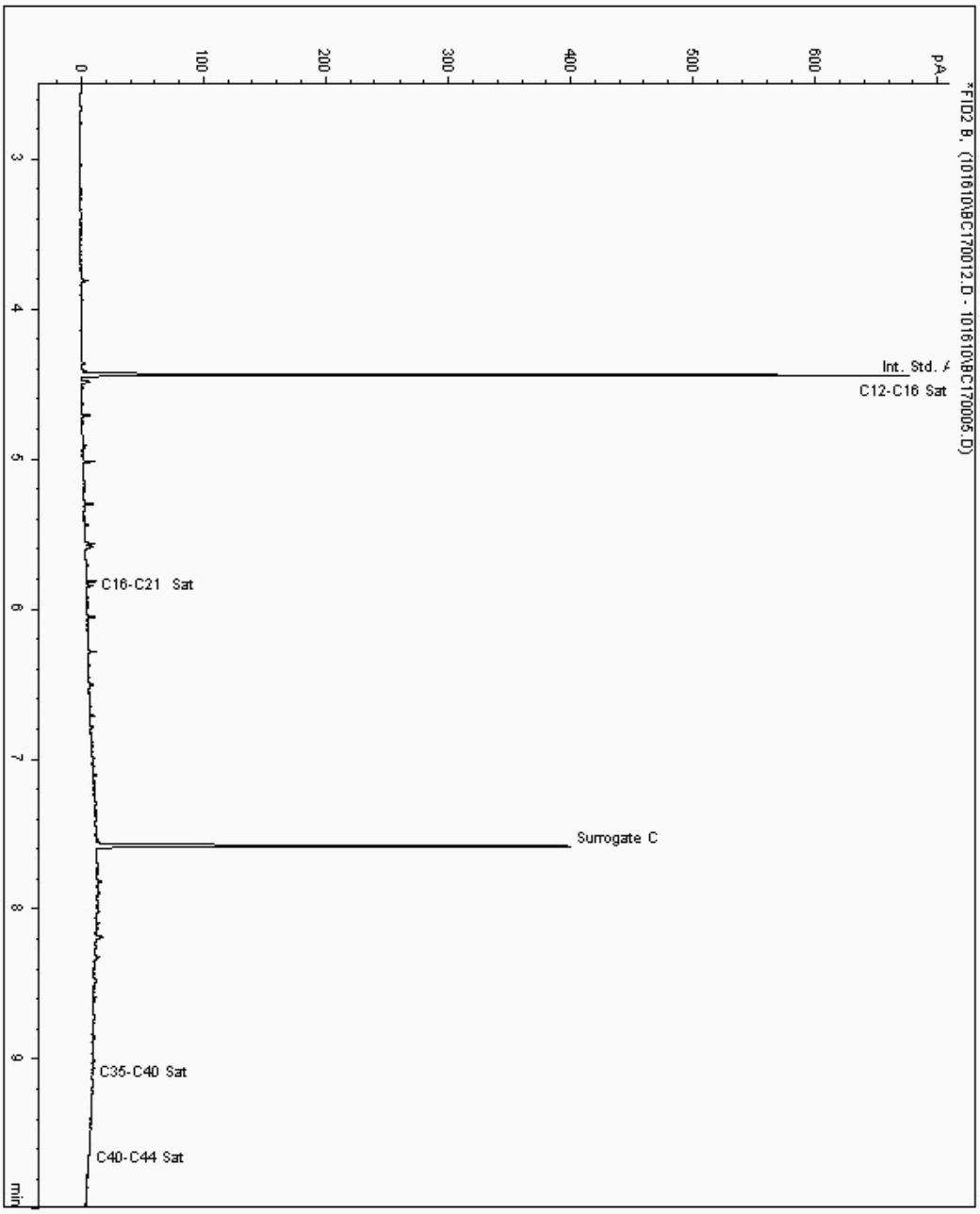
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237493
		Sample ID	SP26 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328243-2237493
Date Acquired : 17/10/10 17:43:03 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



Validated

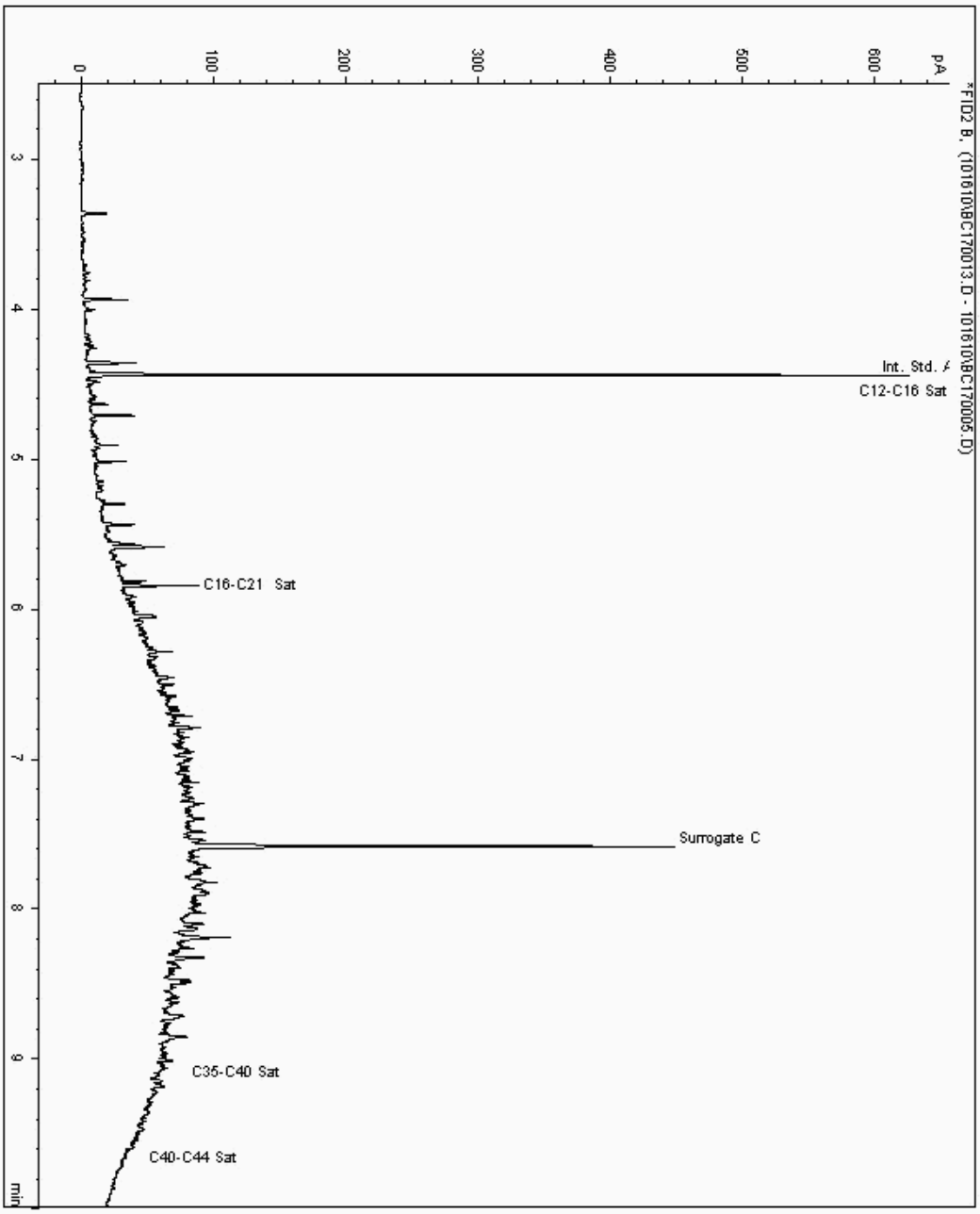
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237523
		Sample ID	SP24 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328431-2237523
Date Acquired : 17/10/10 18:02:10 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.050



Validated

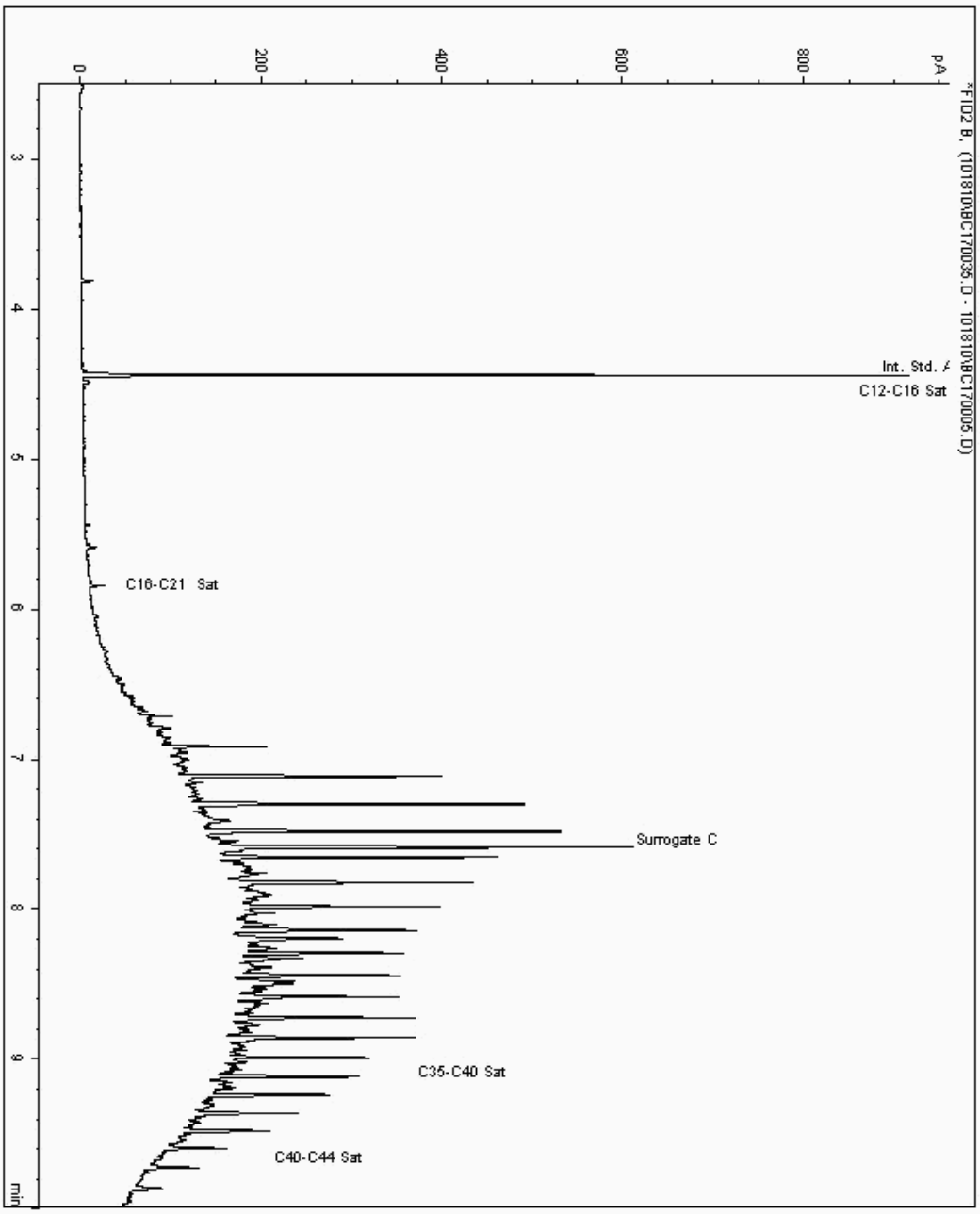
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237572
		Sample ID	SP23 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328606-2237572
Date Acquired : 19/10/10 03:28:10 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.980



Validated

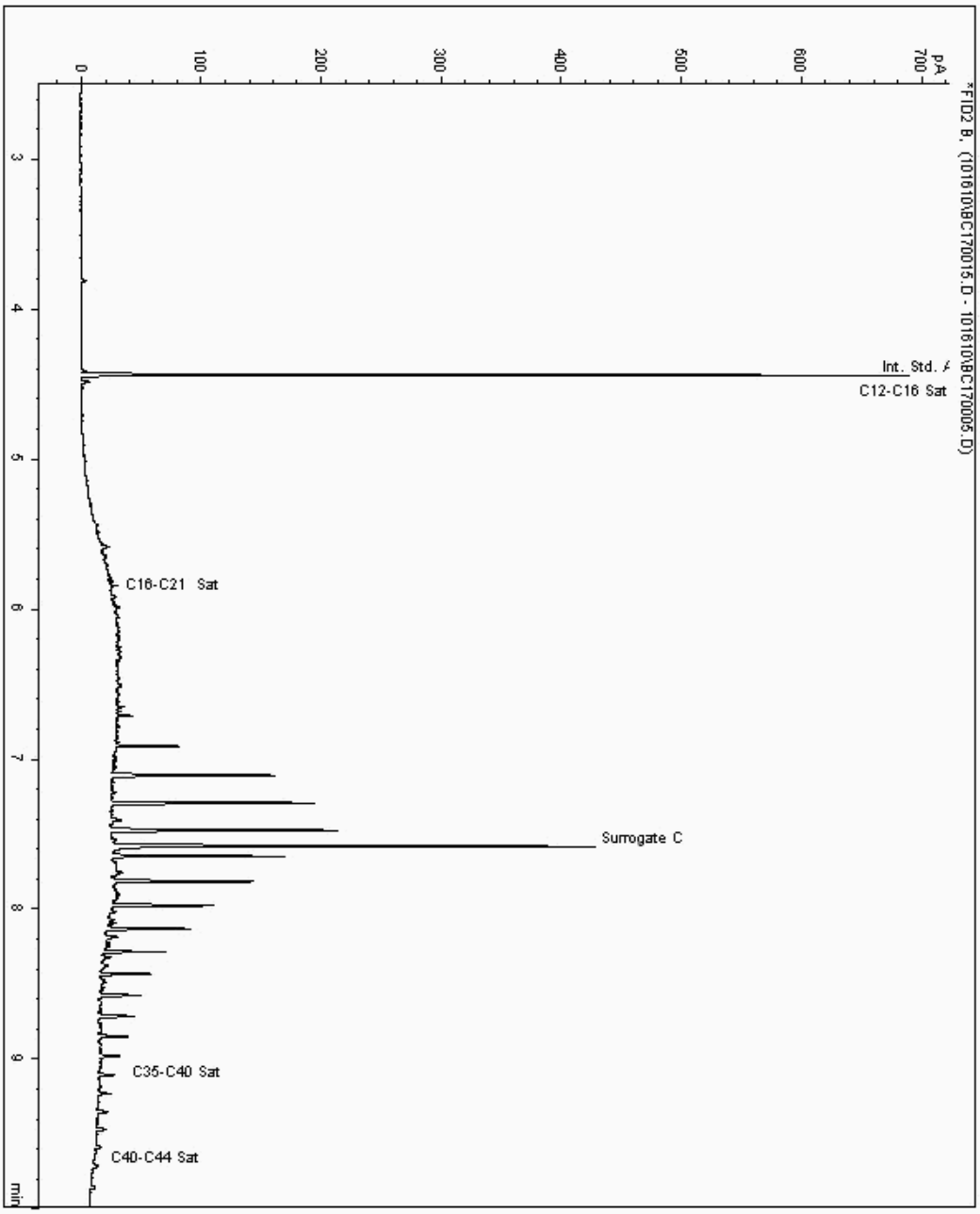
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237621
		Sample ID	SP31 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328338-2237621
Date Acquired : 17/10/10 18:40:20 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

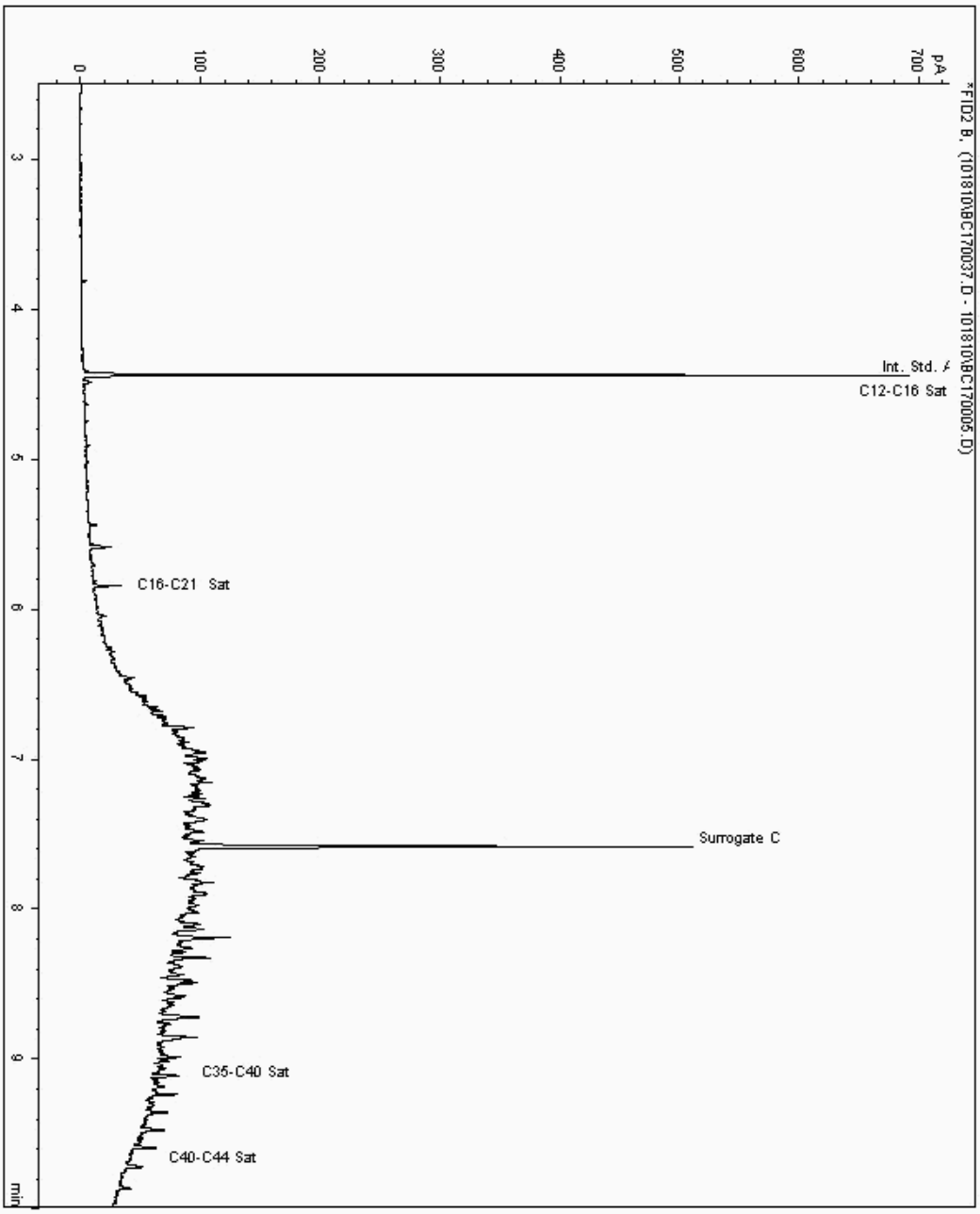
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237640
		Sample ID	SP23 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328591-2237640
Date Acquired : 19/10/10 03:58:25 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.920



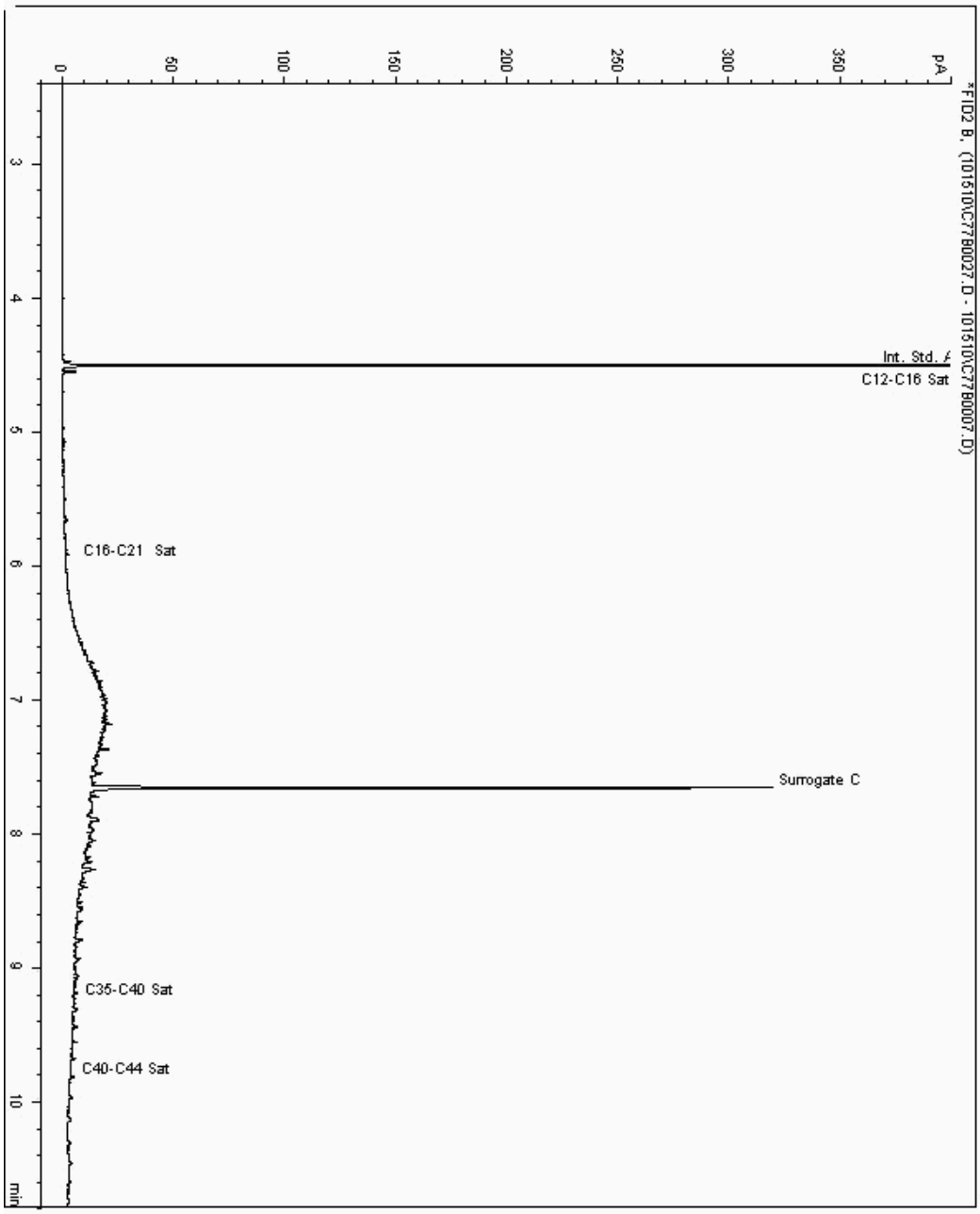
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237655
		Sample ID	SP23 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328634-2237655
Date Acquired : 16/10/10 04:57:13 PM
Units : ppb
Dilution:



Validated

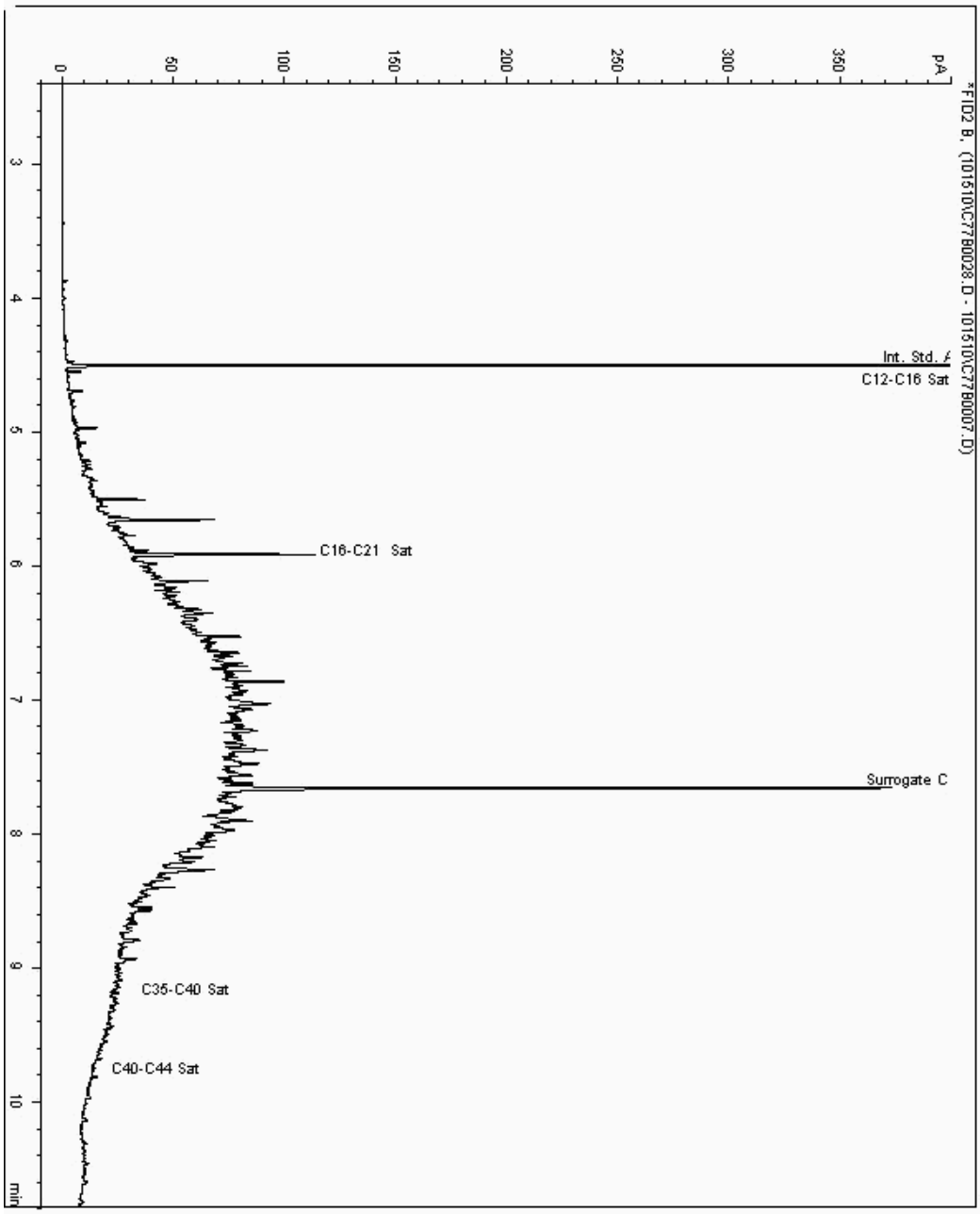
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237676
		Sample ID	SP24 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328447-2237676
Date Acquired : 16/10/10 05:16:48 PM
Units : ppb
Dilution:



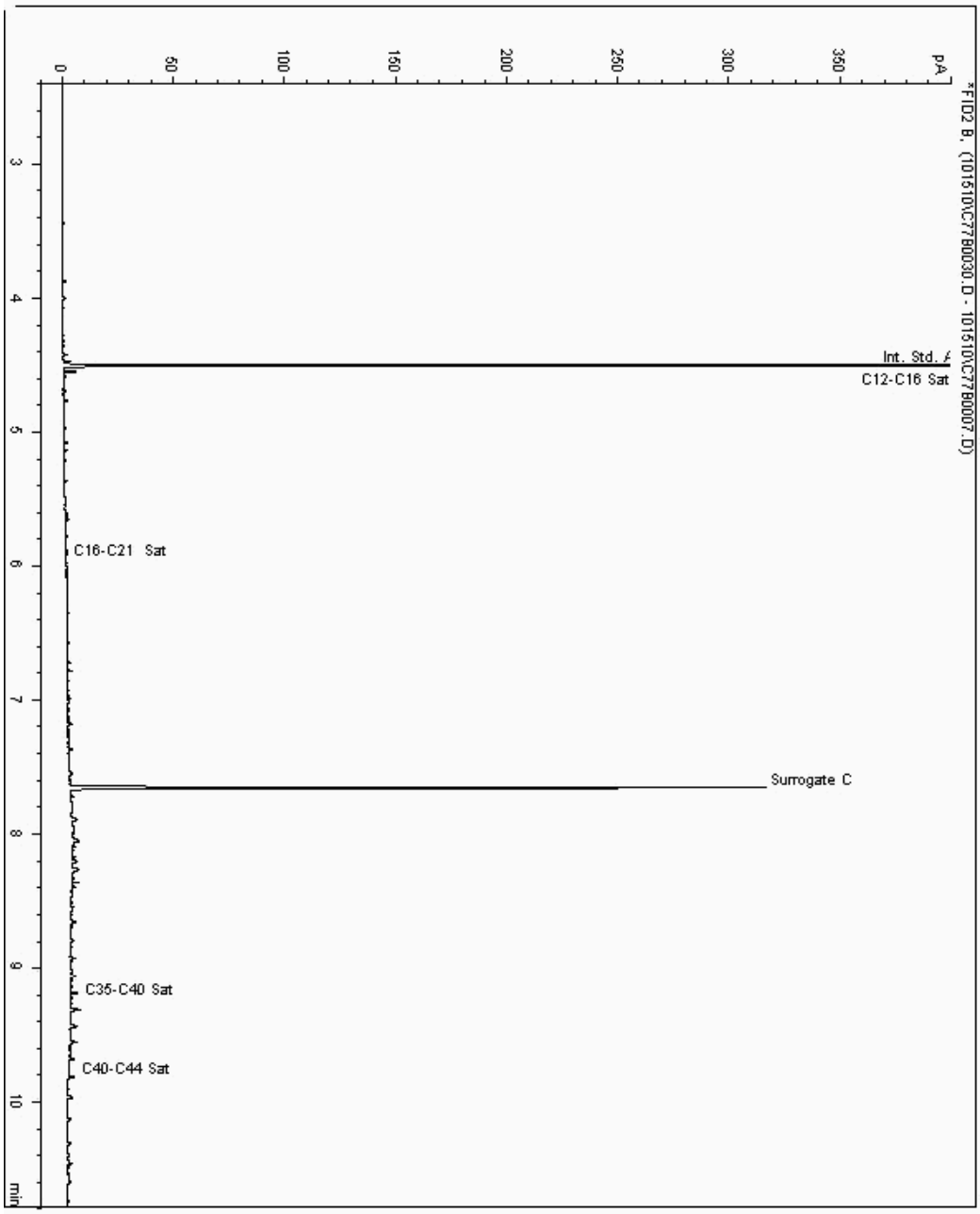
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237747
		Sample ID	SP29 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328529-2237747
Date Acquired : 16/10/10 05:46:43 PM
Units : ppb
Dilution:



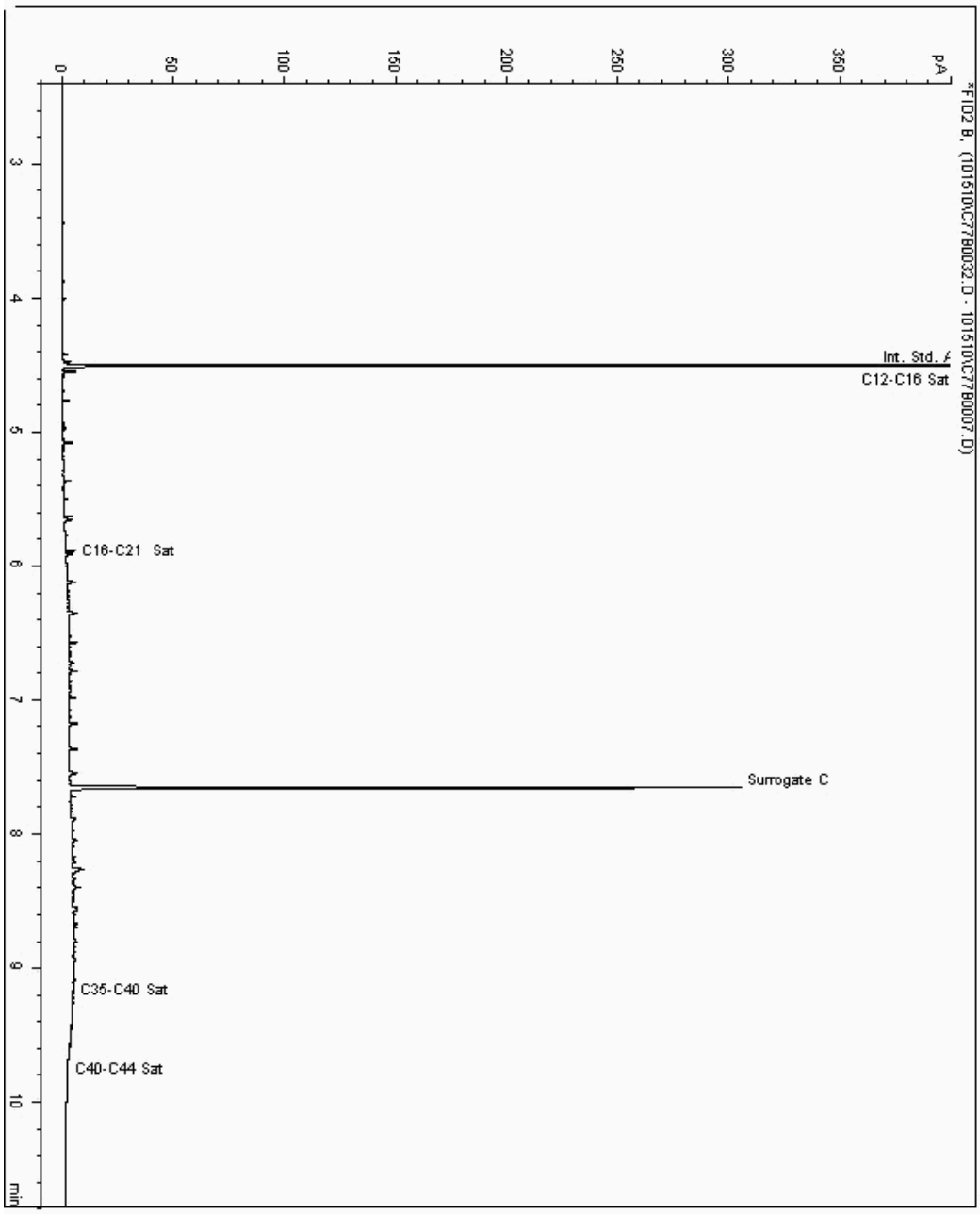
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237768
		Sample ID	SP26 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328260-2237768
Date Acquired : 16/10/10 06:16:30 PM
Units : ppb
Dilution:



Validated

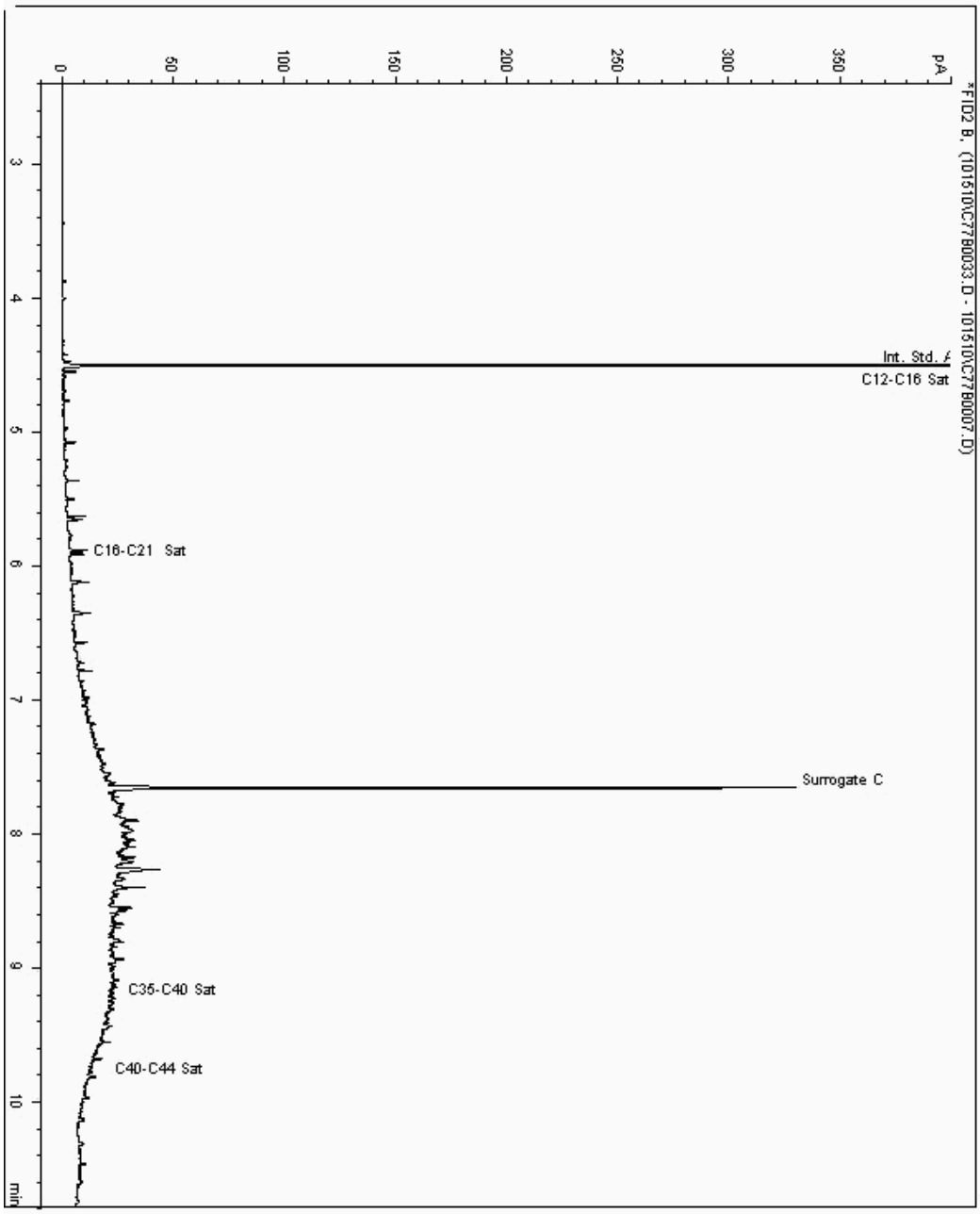
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237837
		Sample ID	SP33 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328381-2237837
Date Acquired : 16/10/10 06:36:14 PM
Units : ppb
Dilution:



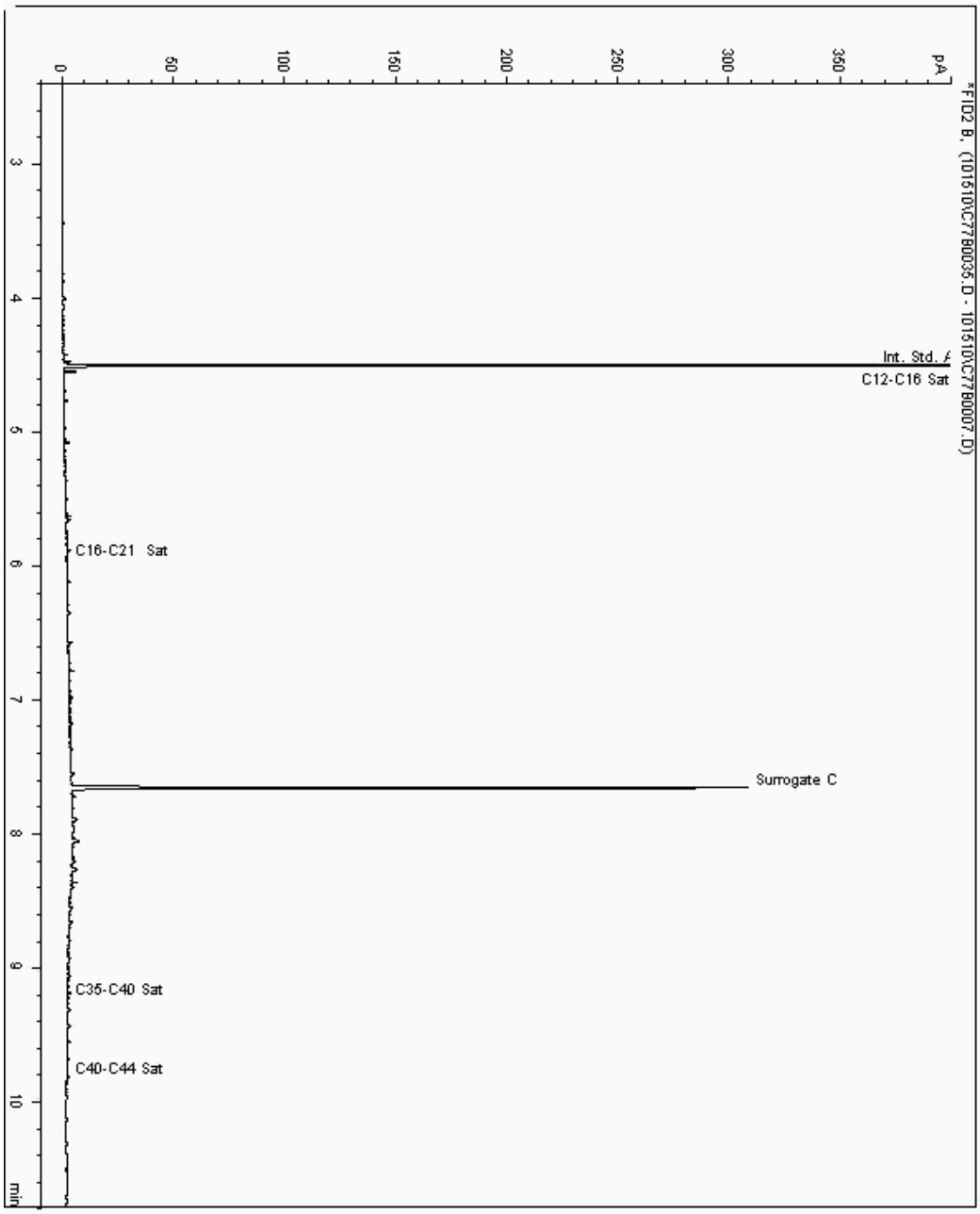
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237854
		Sample ID	SP29 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328410-2237854
Date Acquired : 16/10/10 07:06:13 PM
Units : ppb
Dilution:



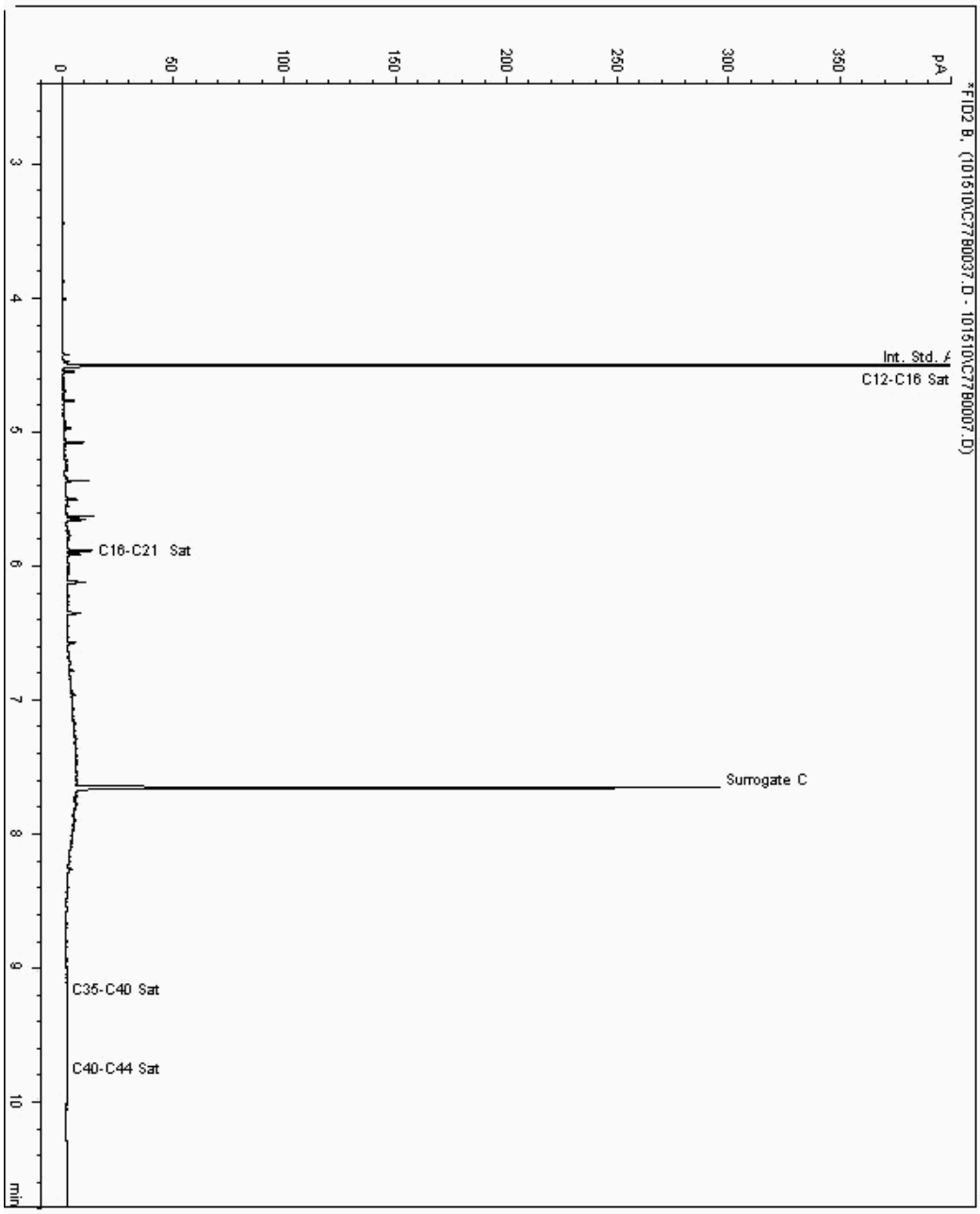
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237878
		Sample ID	SP26 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328277-2237878
Date Acquired : 16/10/10 07:35:58 PM
Units : ppb
Dilution:



Validated

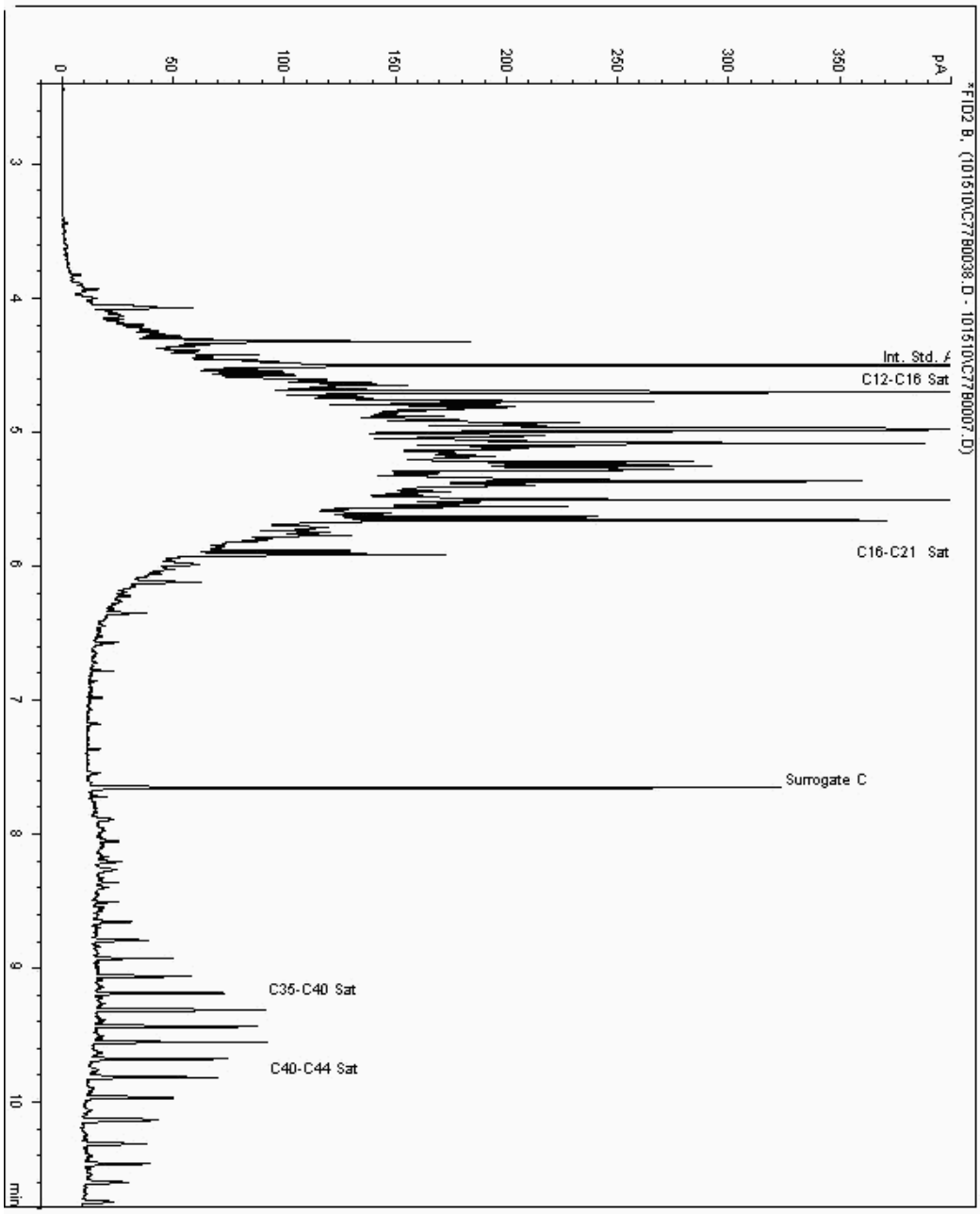
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2237892
		Sample ID	SP29 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328485-2237892
Date Acquired : 16/10/10 07:55:44 PM
Units : ppb
Dilution:



Validated

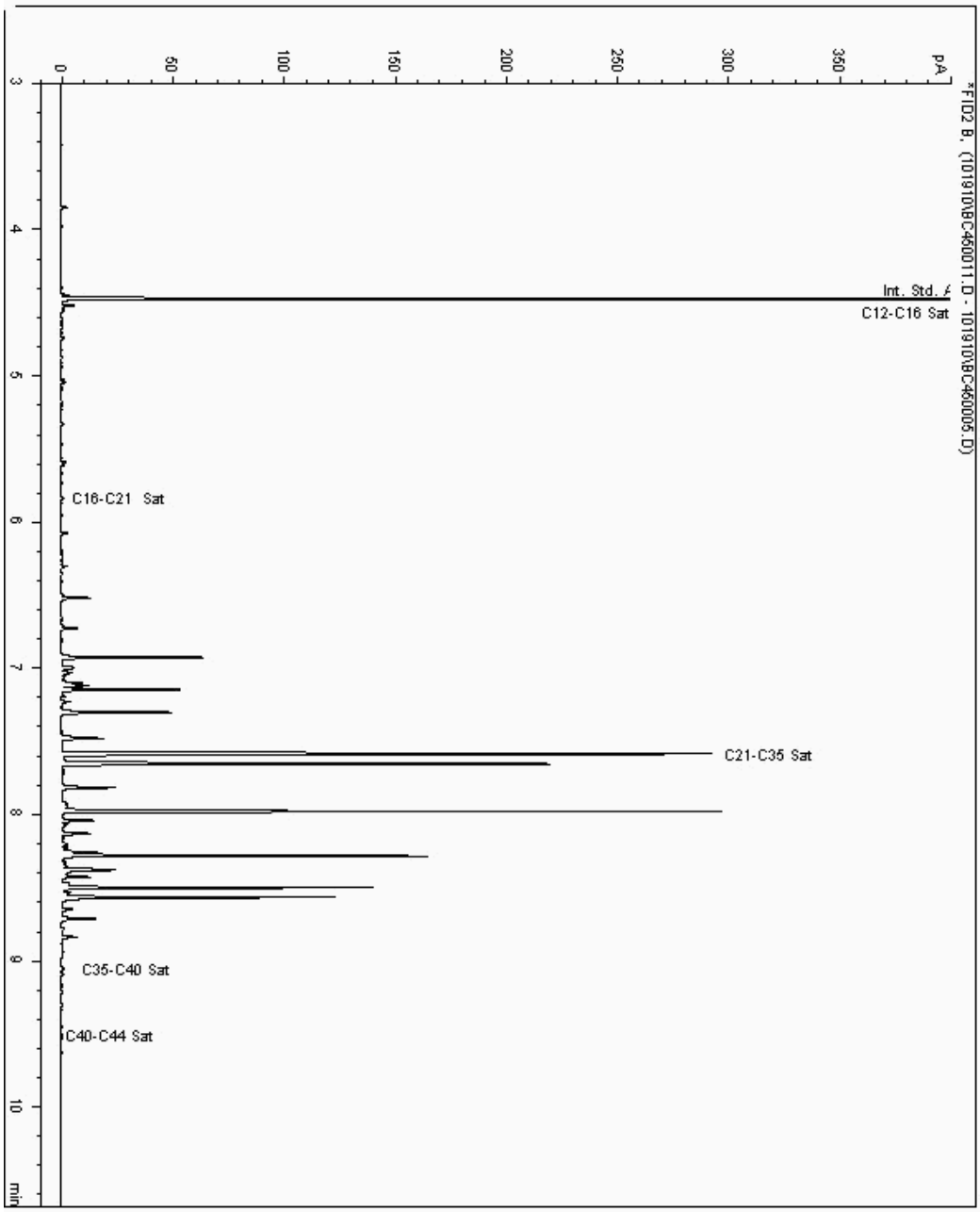
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2242220
		Sample ID	SP30 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328352-2242220
Date Acquired : 19/10/10 20:14:52 PM
Units : ppb
Dilution:



Validated

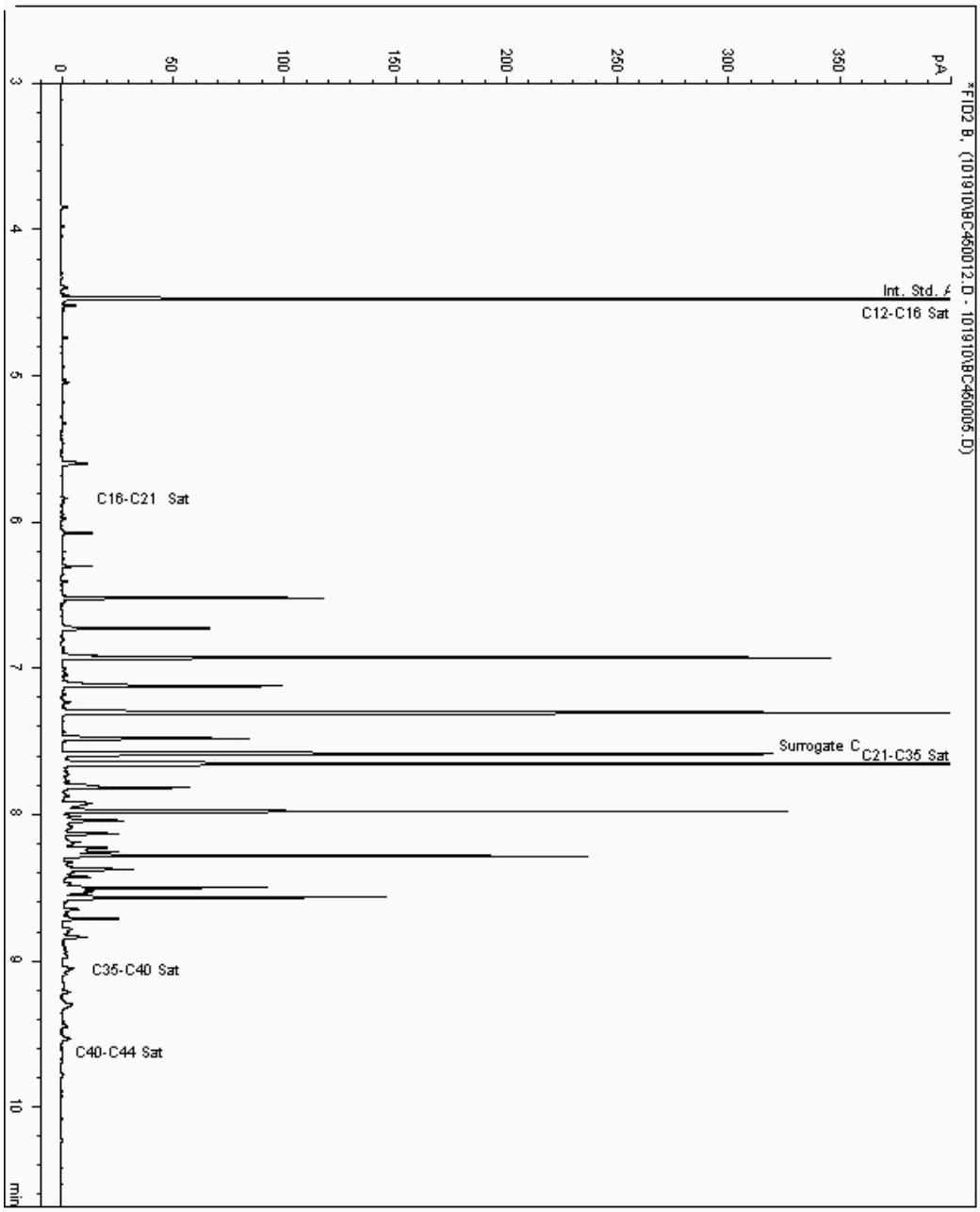
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2242255
		Sample ID	SP30 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328366-2242255
Date Acquired : 19/10/10 20:34:42 PM
Units : ppb
Dilution:



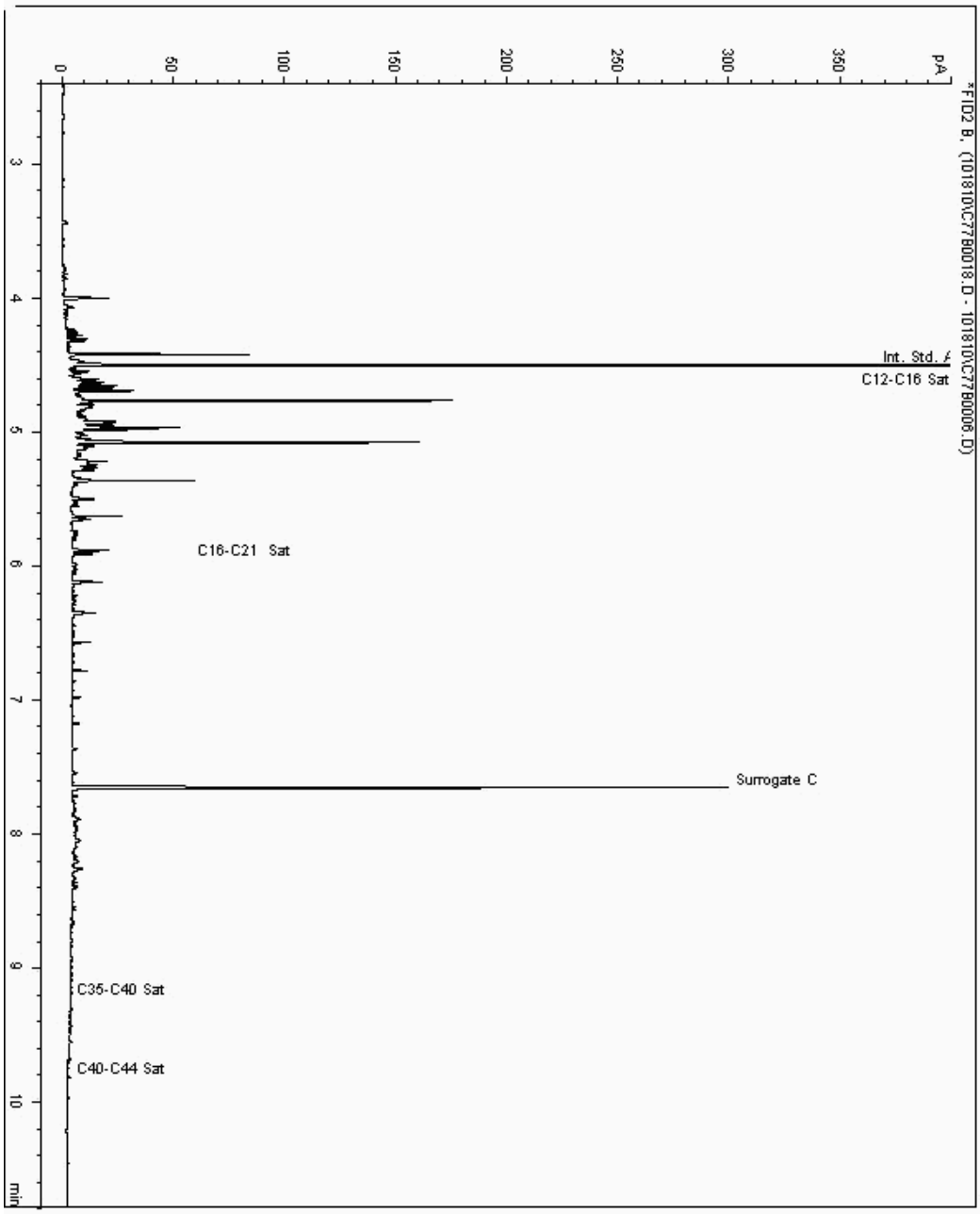
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2242297
		Sample ID	SP28 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328500-2242297
Date Acquired : 18/10/10 19:26:52 PM
Units : ppb
Dilution:



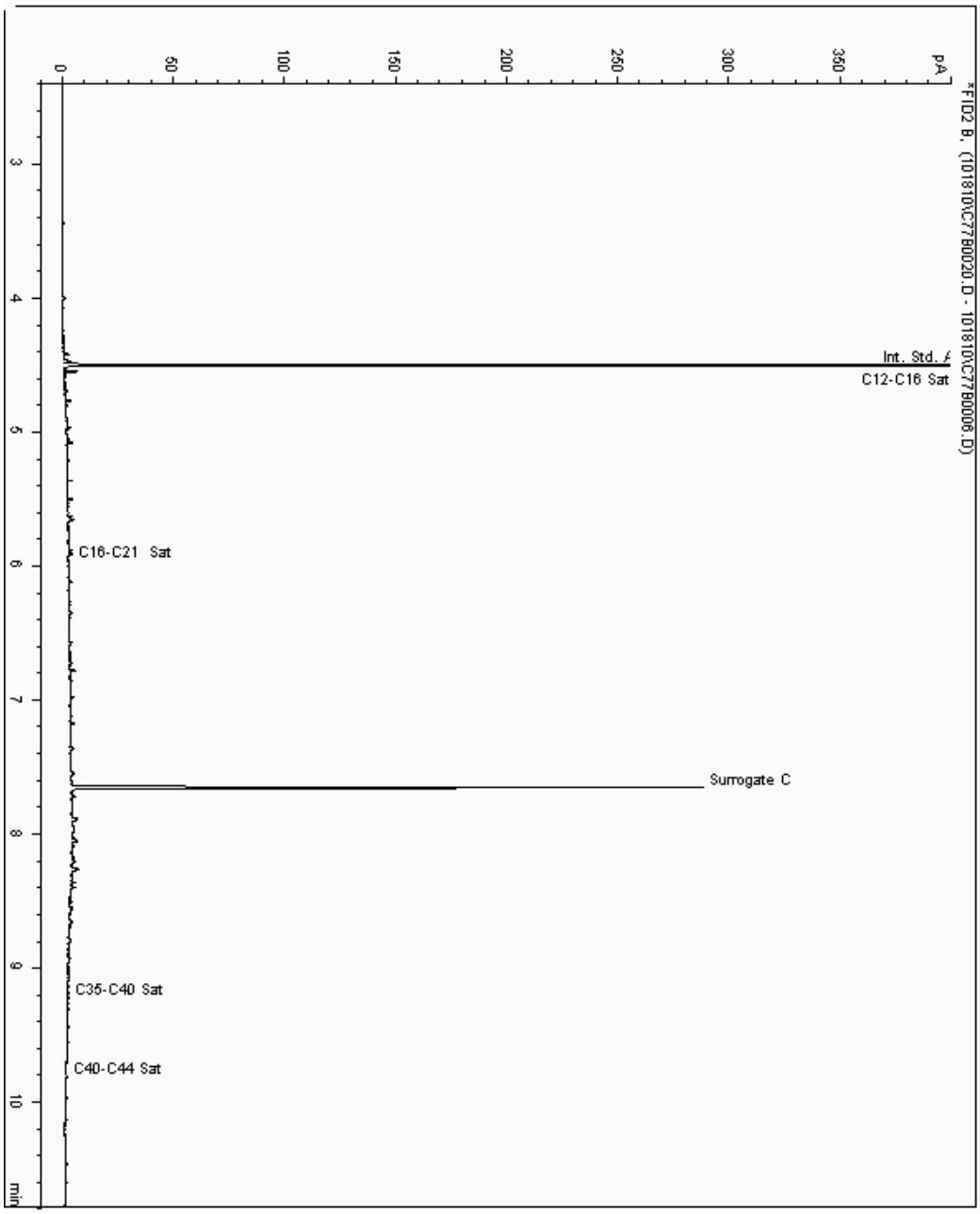
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2242366
		Sample ID	SP28 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328576-2242366
Date Acquired : 18/10/10 19:56:43 PM
Units : ppb
Dilution:



Validated

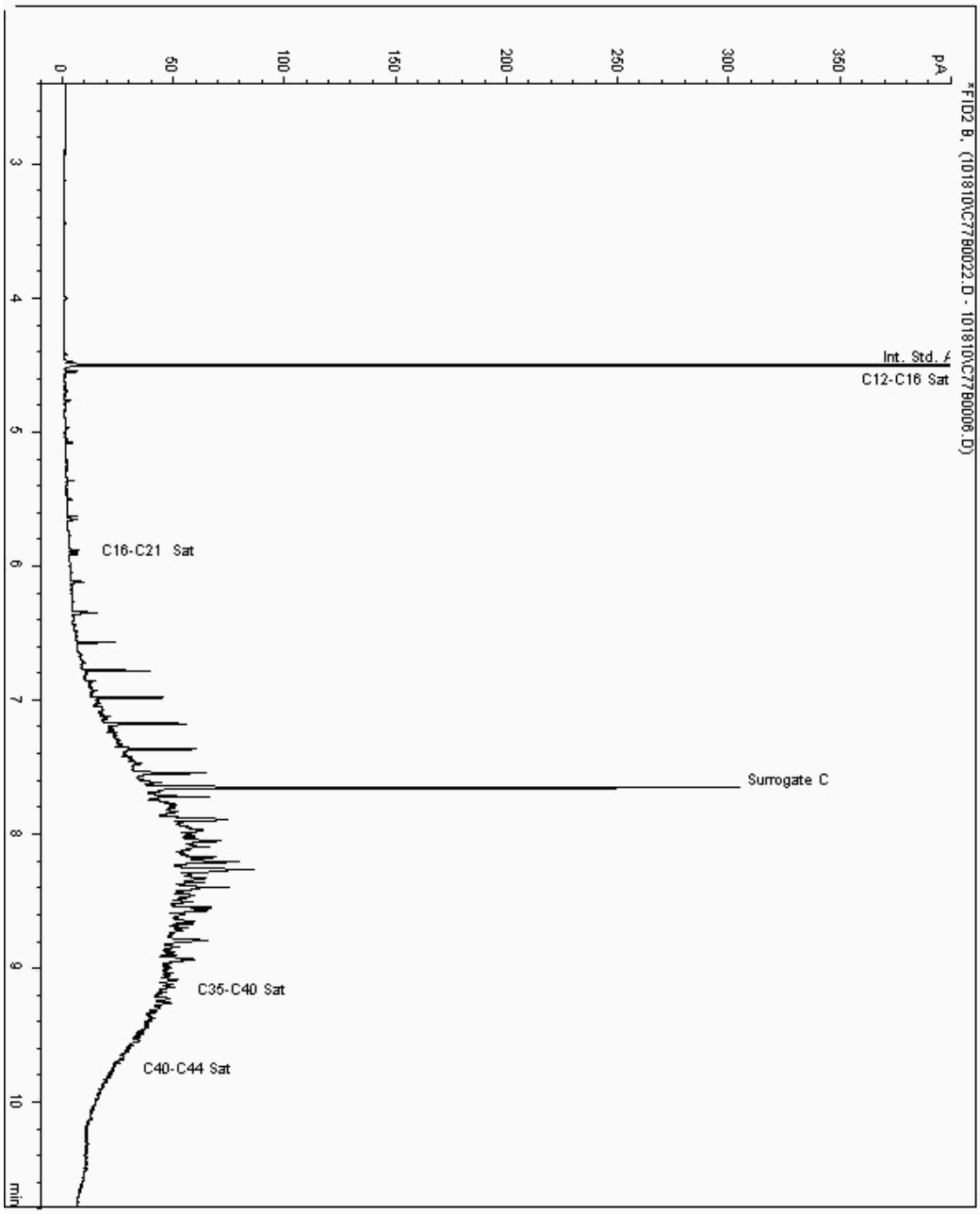
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2242407
		Sample ID	SP25 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328559-2242407
Date Acquired : 18/10/10 20:26:32 PM
Units : ppb
Dilution:



Validated

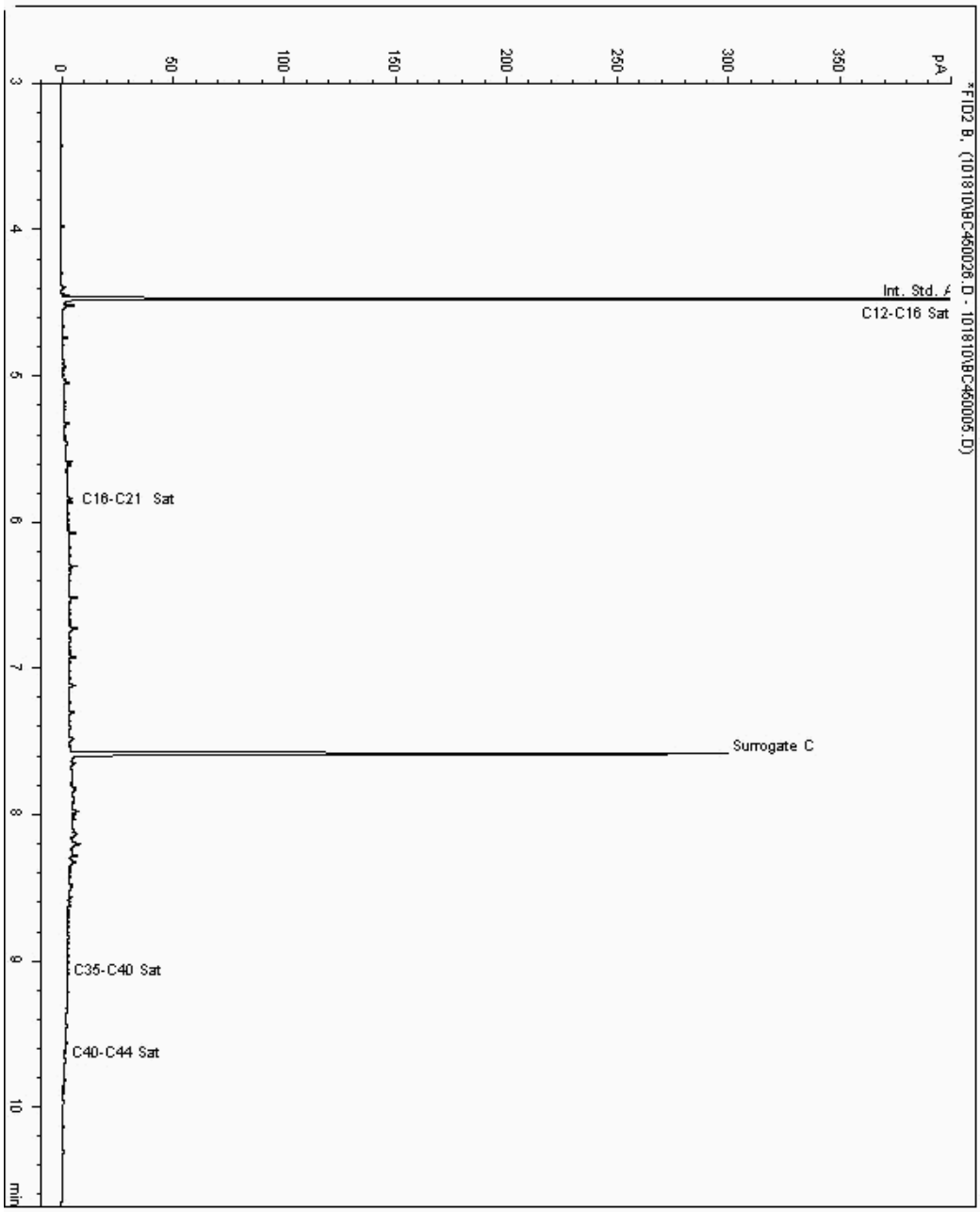
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2242444
		Sample ID	SP32 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328471-2242444
Date Acquired : 18/10/10 19:11:17 PM
Units : ppb
Dilution:



Validated

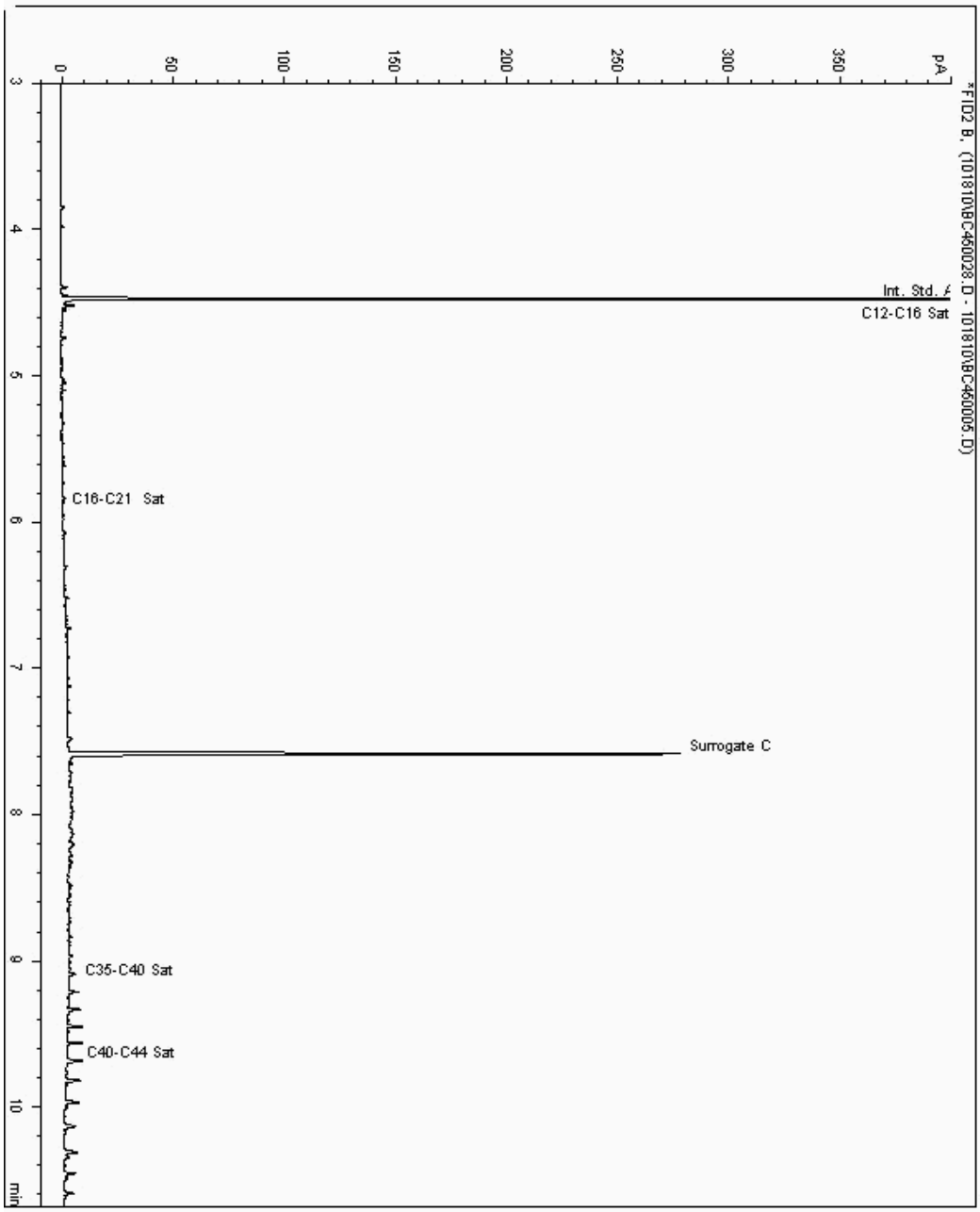
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2242563
		Sample ID	SP32 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328396-2242563
Date Acquired : 18/10/10 19:41:22 PM
Units : ppb
Dilution:



Validated

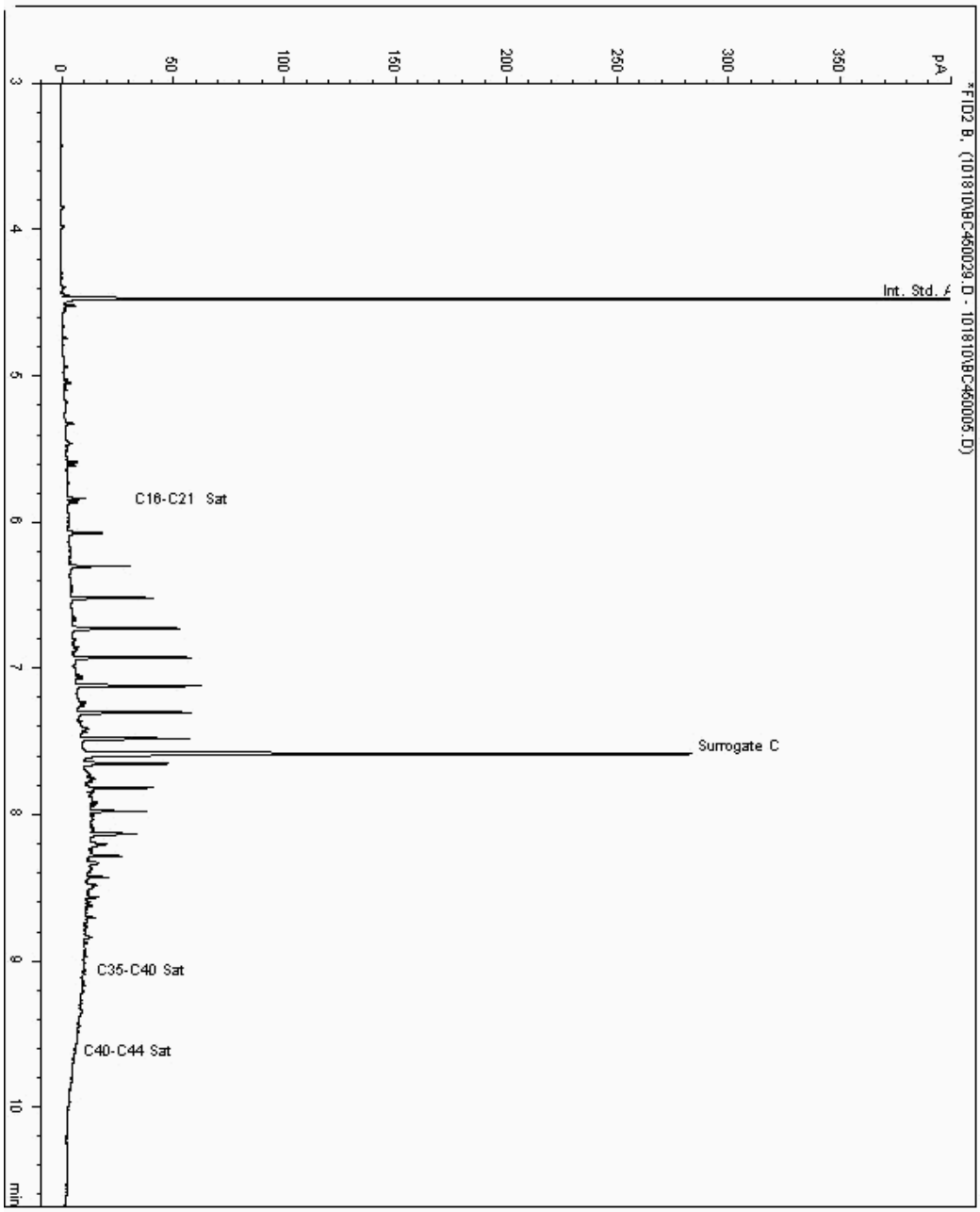
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2242601
		Sample ID	SP25 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2328515-2242601
Date Acquired : 18/10/10 20:00:54 PM
Units : ppb
Dilution:



Validated

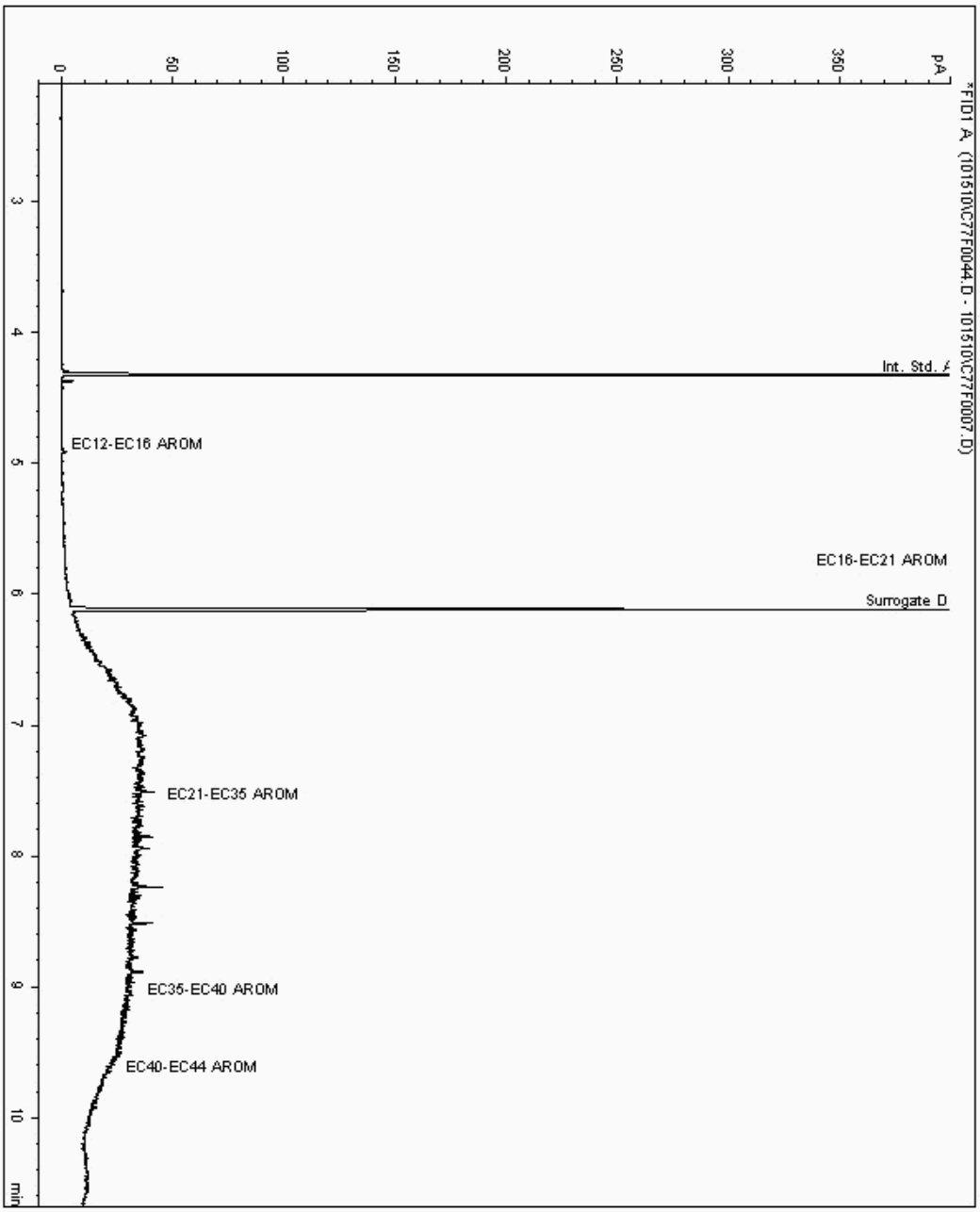
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2236364
		Sample ID	SP23 06
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328738-2236364
Date Acquired : 16/10/10 09:34:42 PM
Units : ppb
Dilution:



Validated

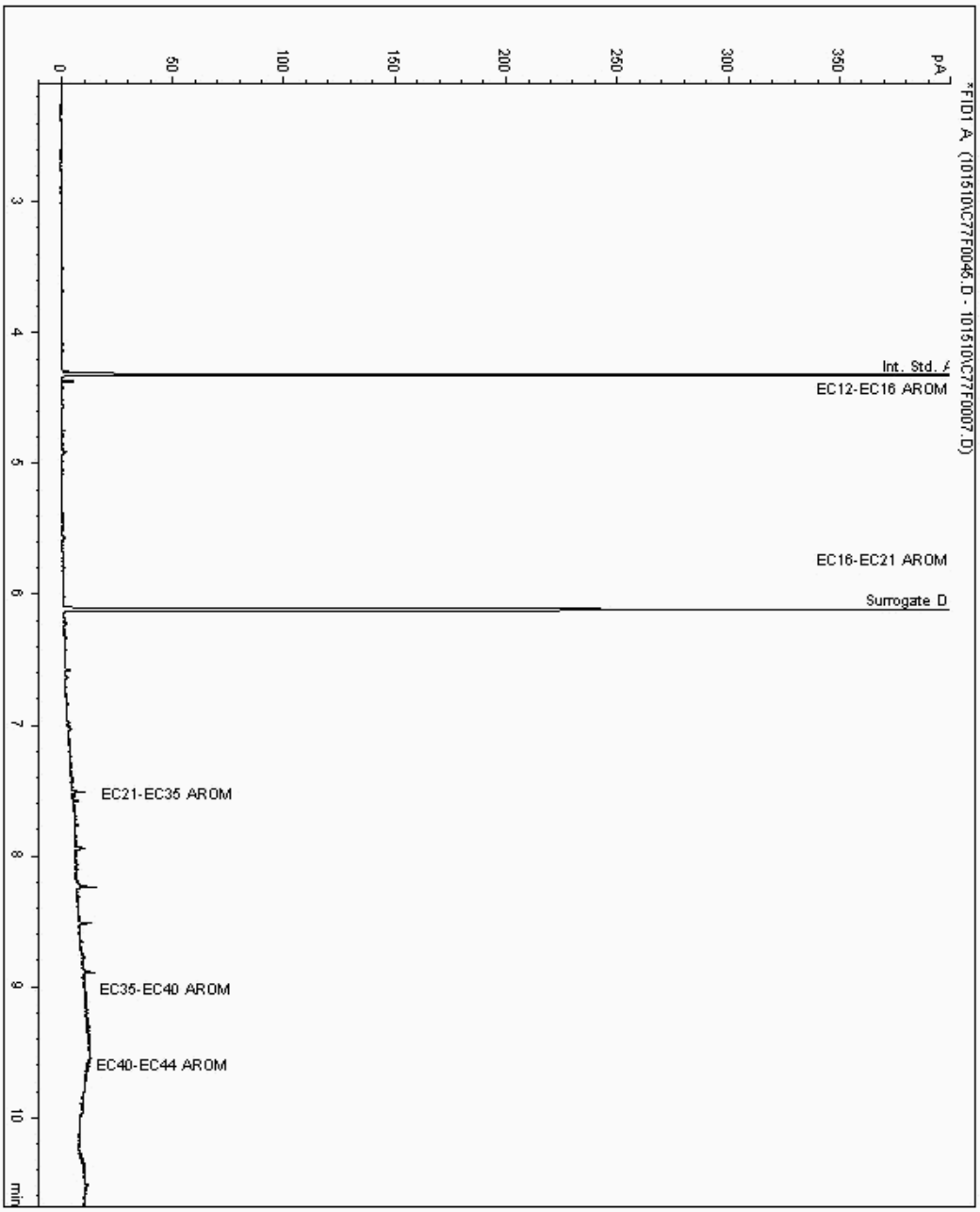
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2236393
		Sample ID	SP31 05
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328225-2236393
Date Acquired : 16/10/10 09:54:16 PM
Units : ppb
Dilution:



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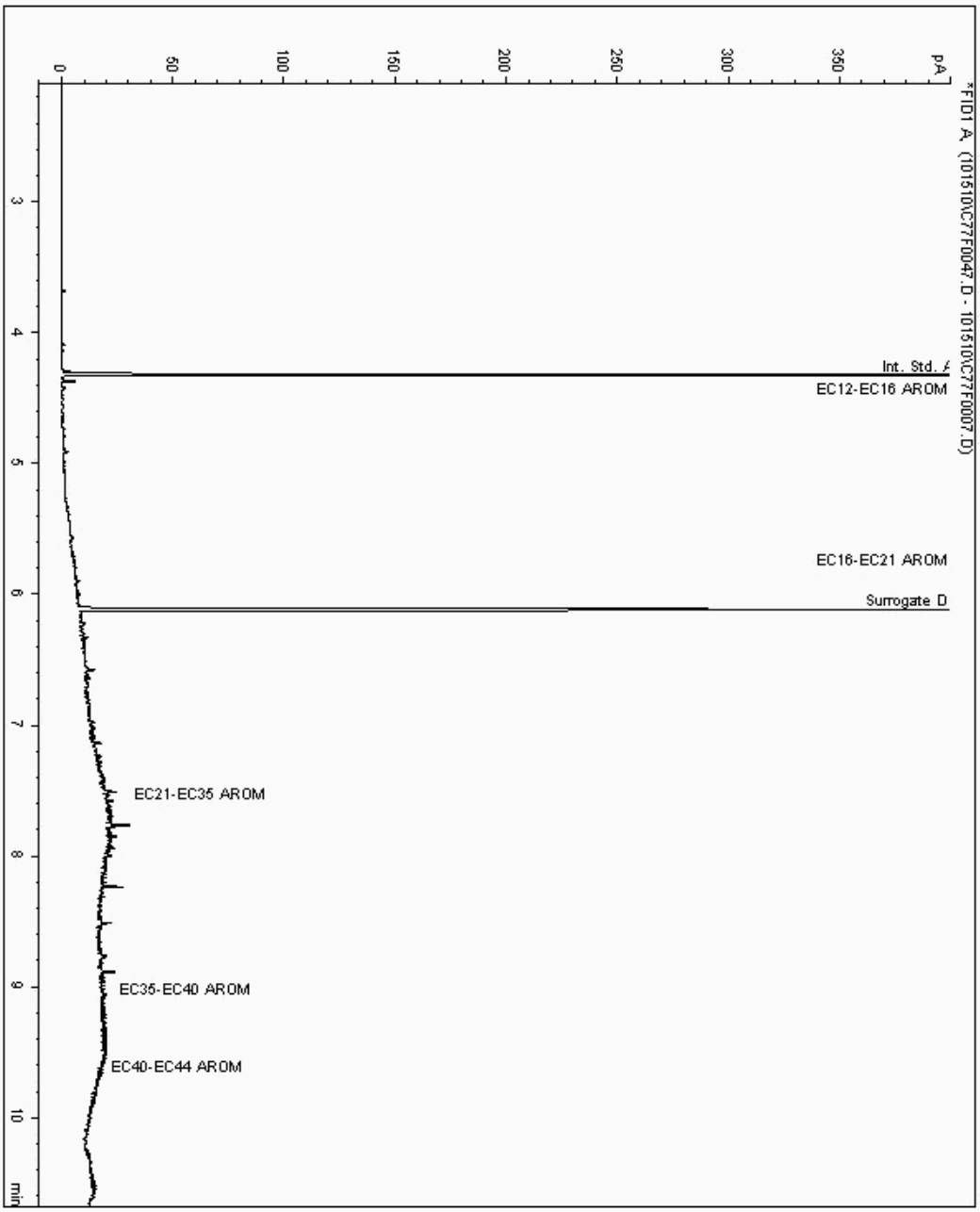
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2236421
		Sample ID	SP31 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328209-2236421
Date Acquired : 16/10/10 10:24:05 PM
Units : ppb
Dilution:



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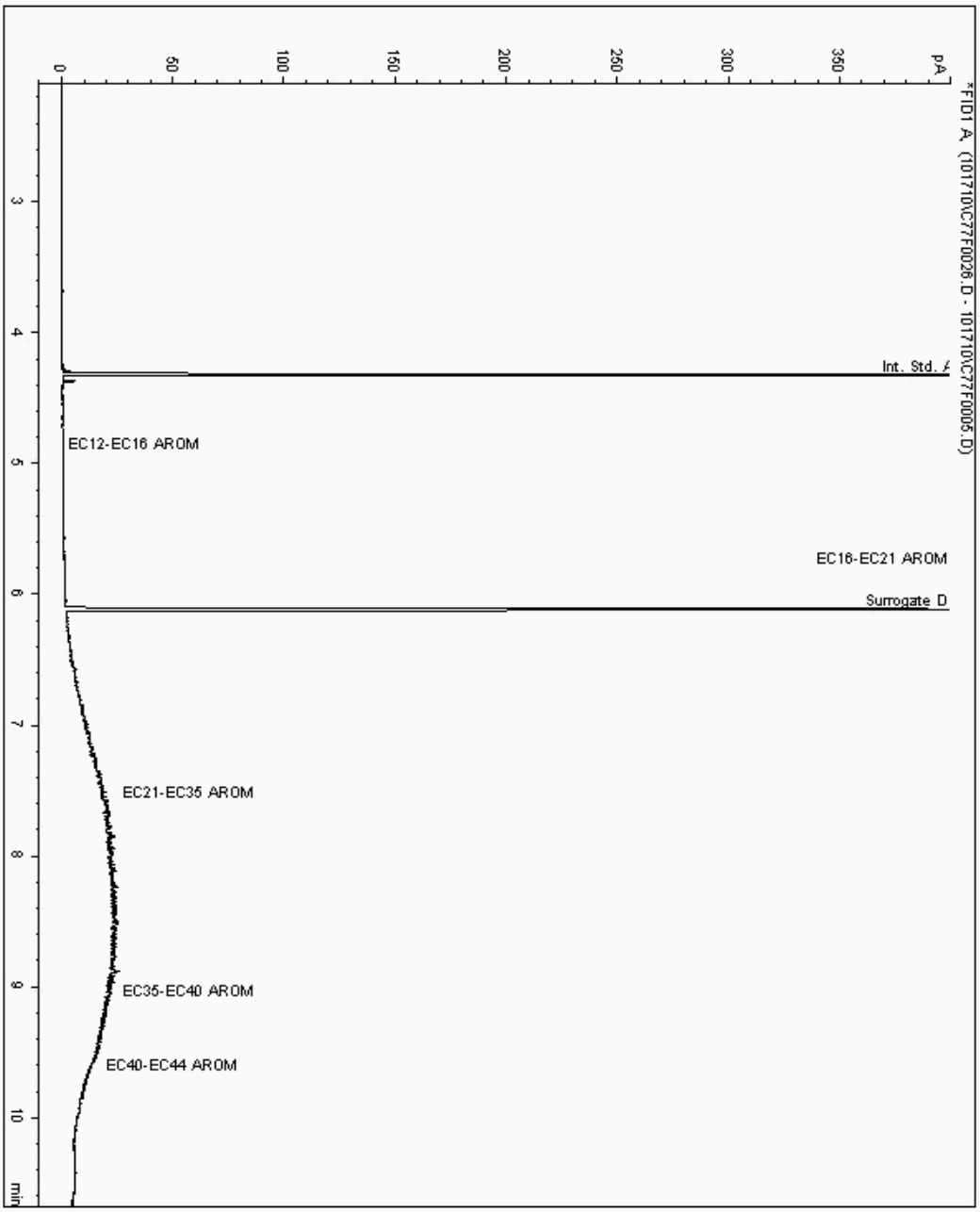
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2236446
		Sample ID	SP23 05
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328695-2236446
Date Acquired : 17/10/10 22:57:03 PM
Units : ppb
Dilution:



Validated

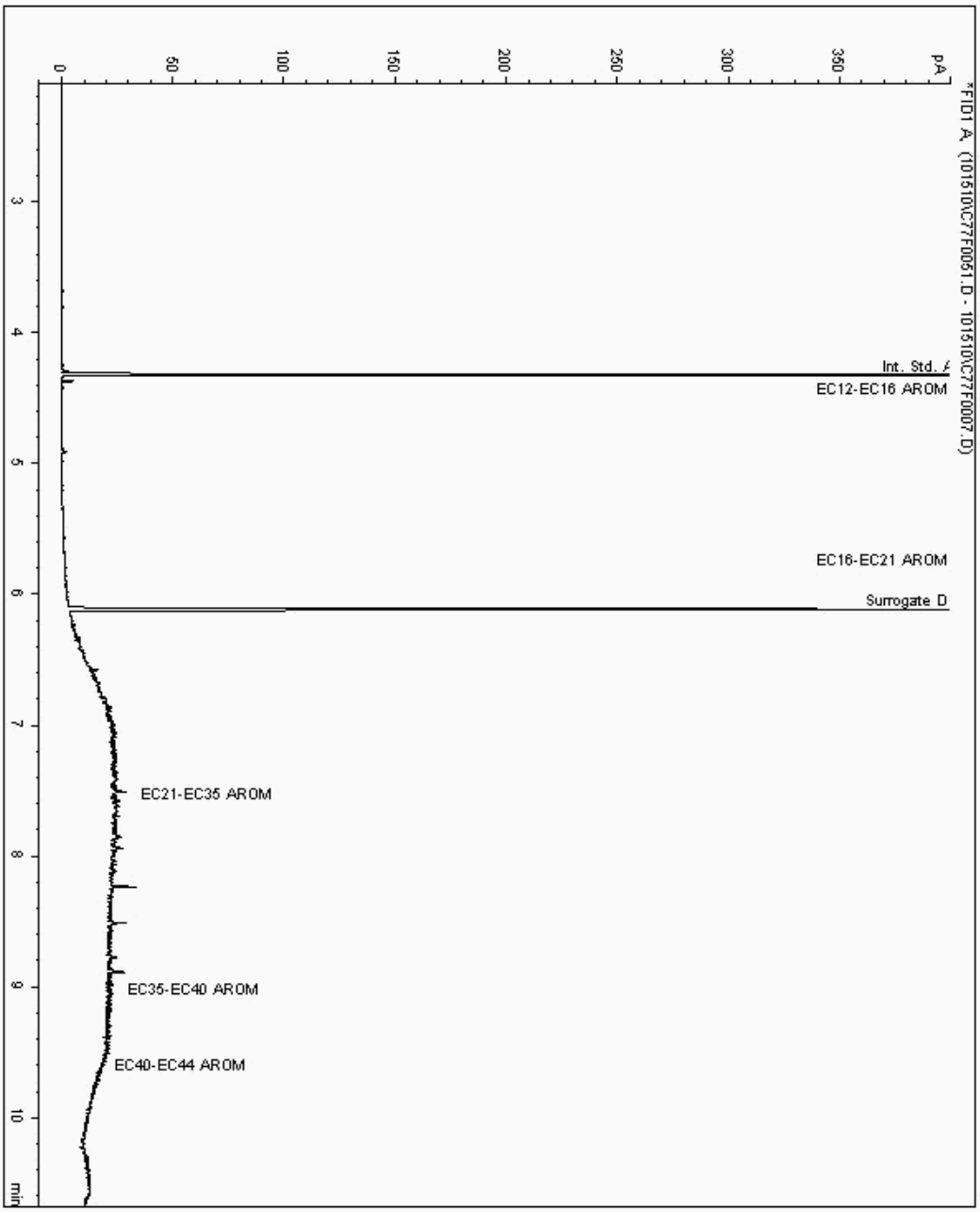
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2236468
		Sample ID	SP23 04
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328665-2236468
Date Acquired : 16/10/10 11:23:26 PM
Units : ppb
Dilution:



Validated

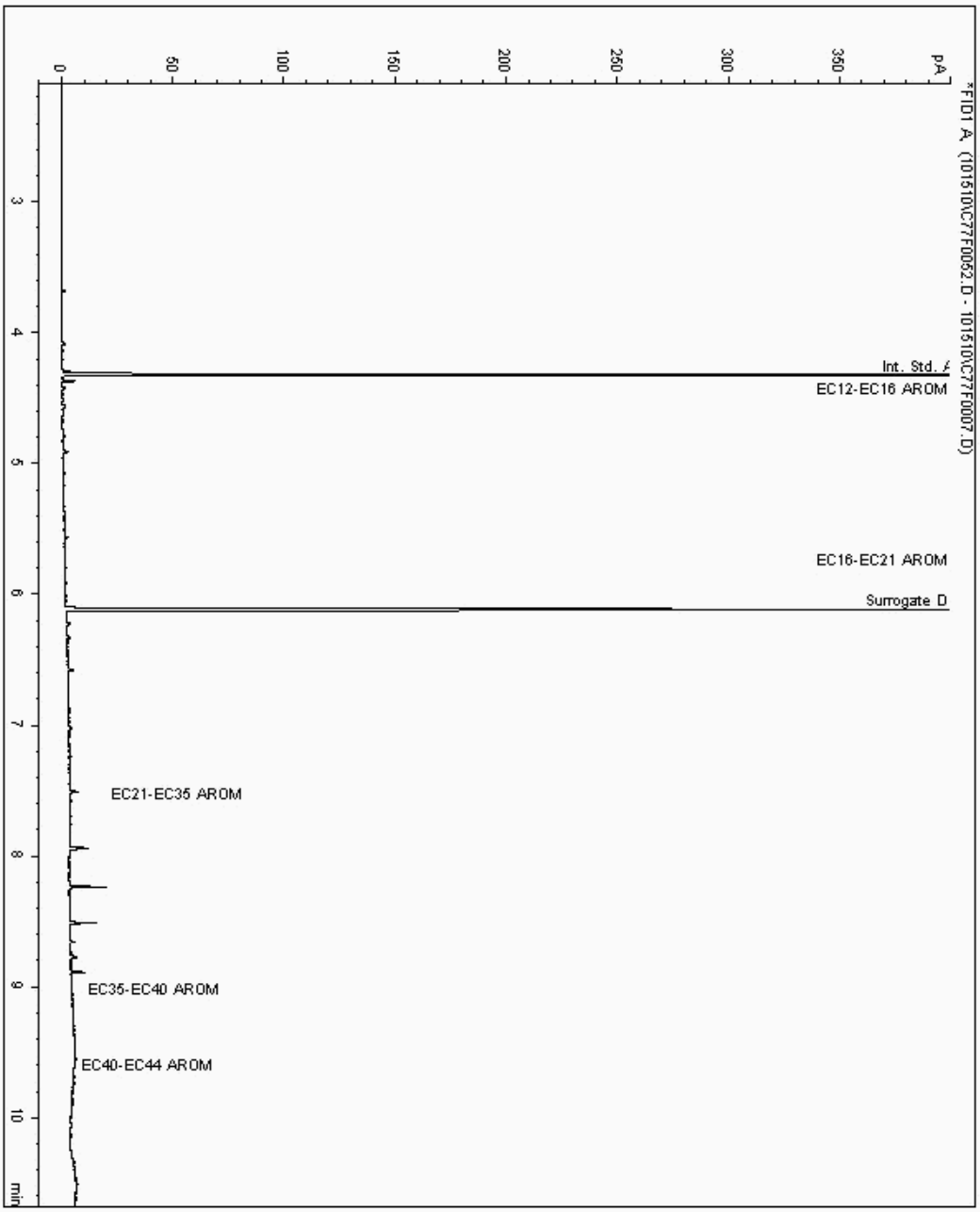
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2236486
		Sample ID	SP31 04
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328324-2236486
Date Acquired : 16/10/10 11:43:06 PM
Units : ppb
Dilution:



Validated

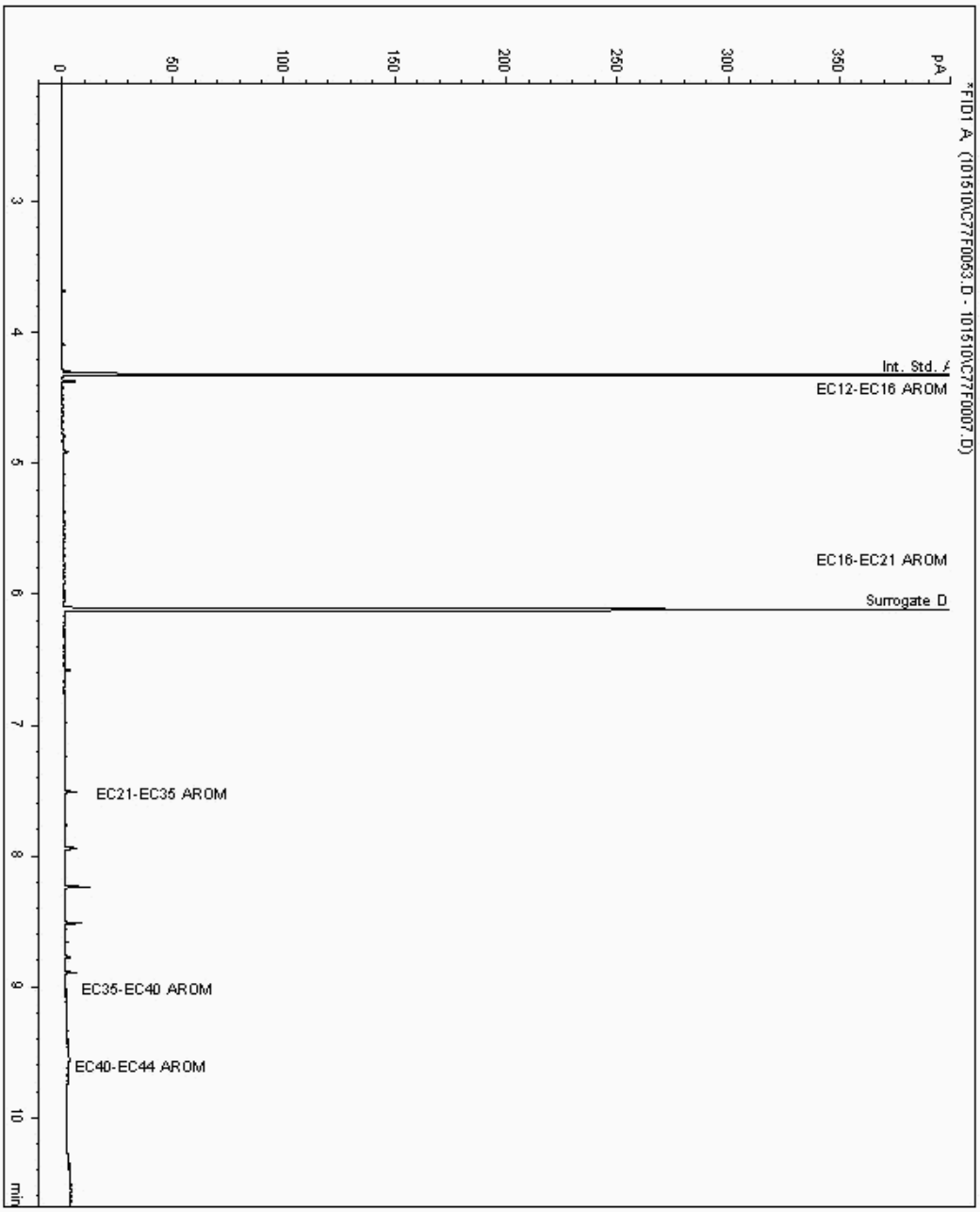
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2236510
		Sample ID	SP31 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328305-2236510
Date Acquired : 16/10/10 12:02:40 PM
Units : ppb
Dilution:



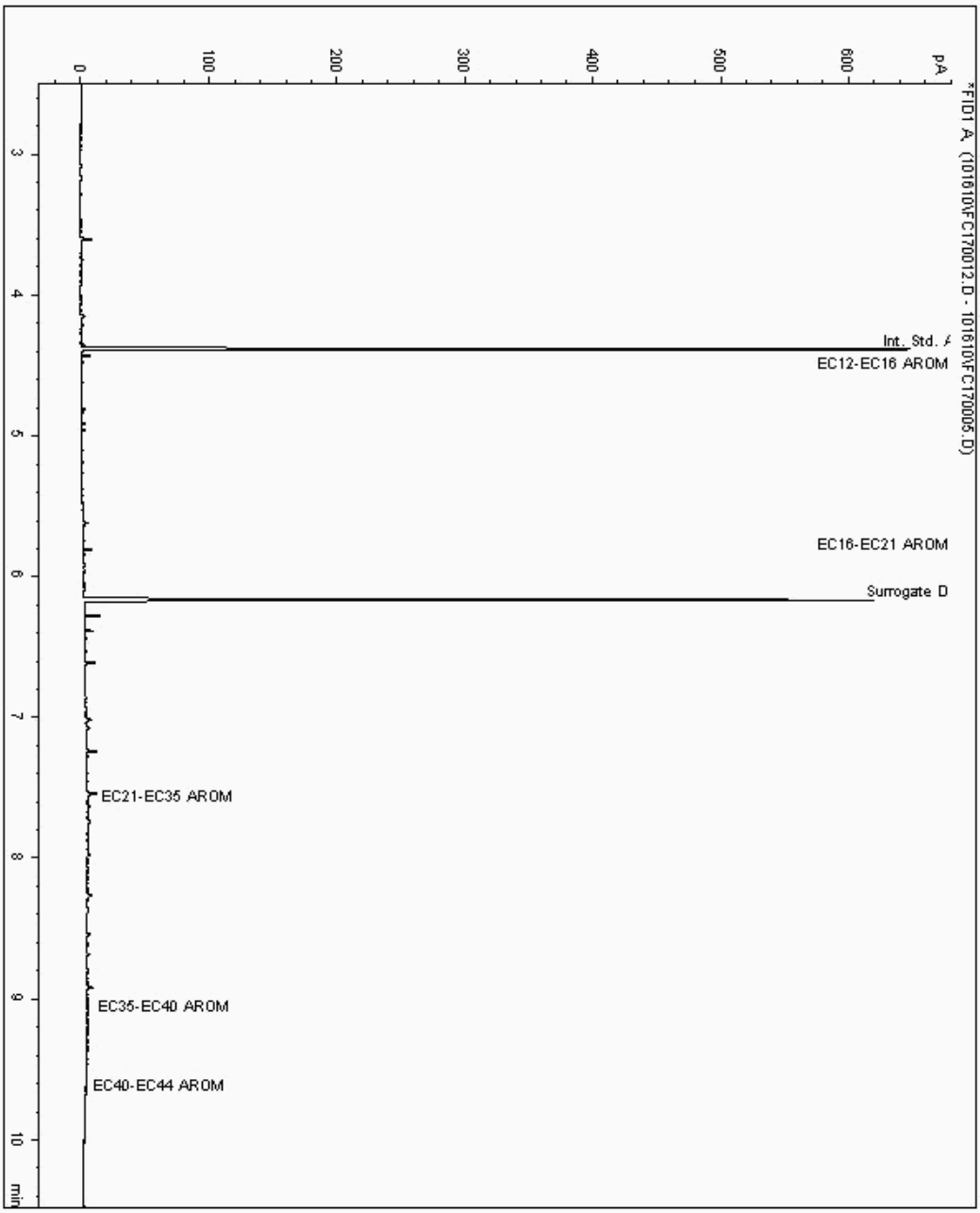
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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617
Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237493
		Sample ID	SP26 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328244-2237493
Date Acquired : 17/10/10 17:43:04 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



Validated

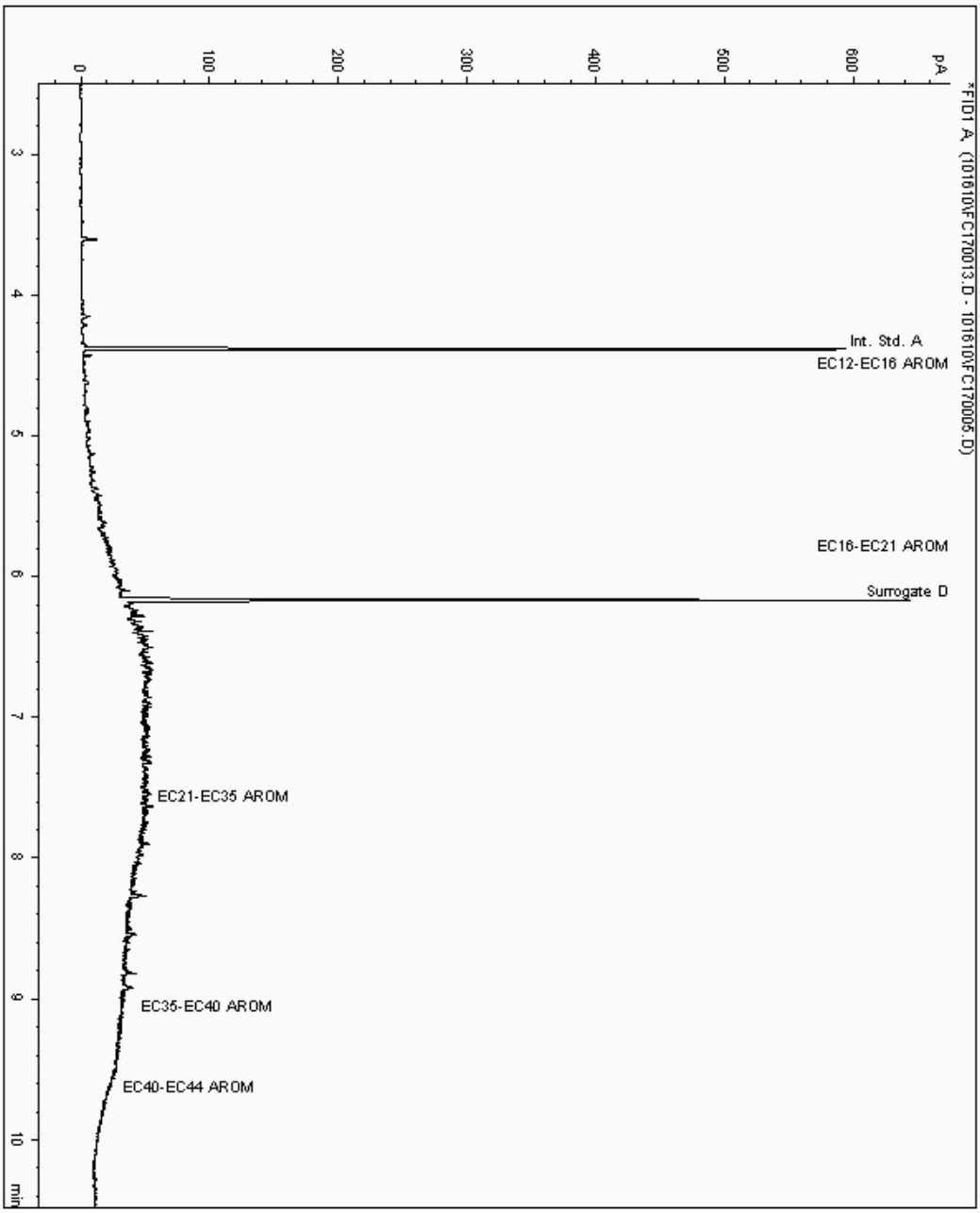
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237523
		Sample ID	SP24 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328432-2237523
Date Acquired : 17/10/10 18:02:10 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.050



Validated

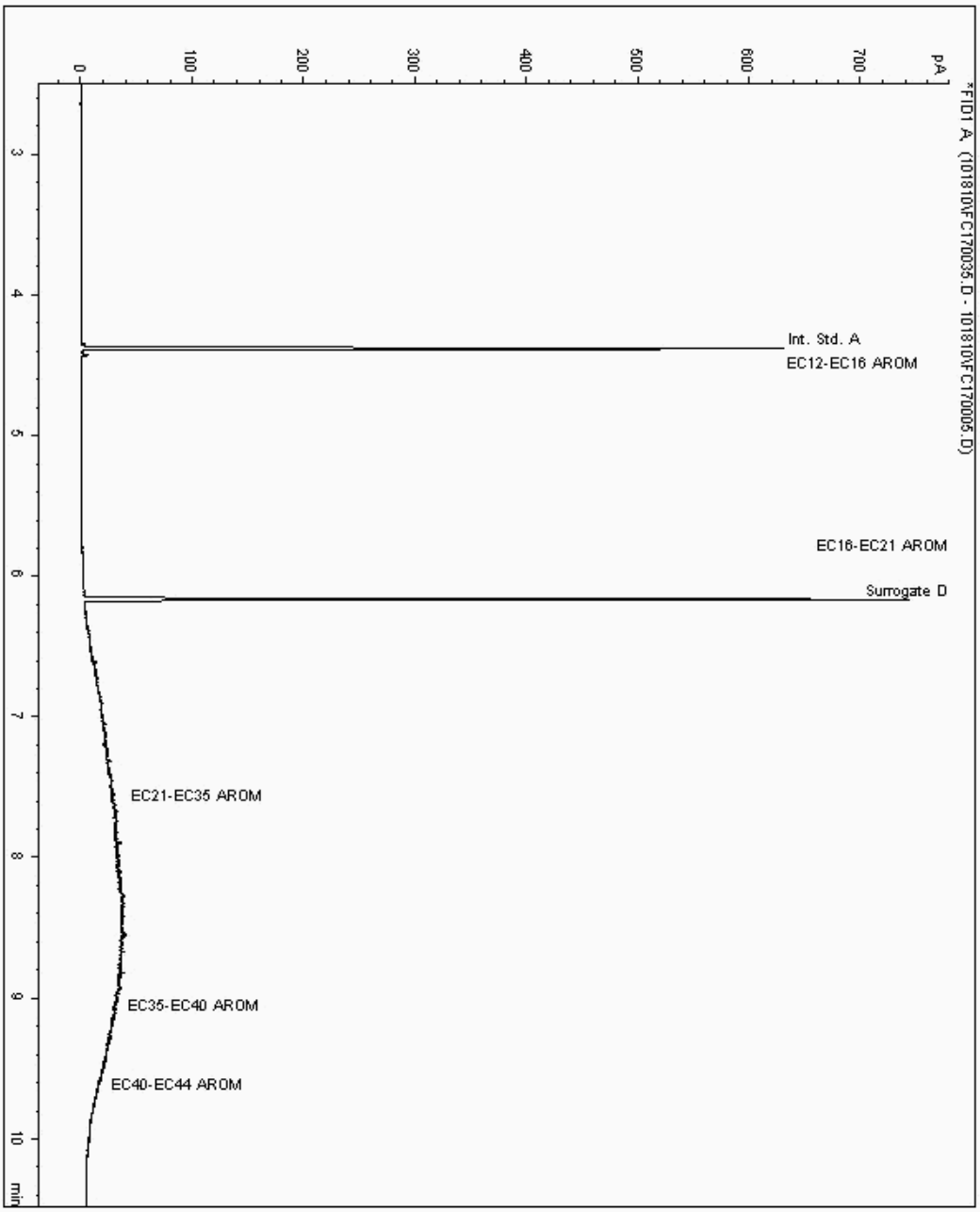
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237572
		Sample ID	SP23 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328607-2237572
Date Acquired : 19/10/10 03:28:10 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 4.920



Validated

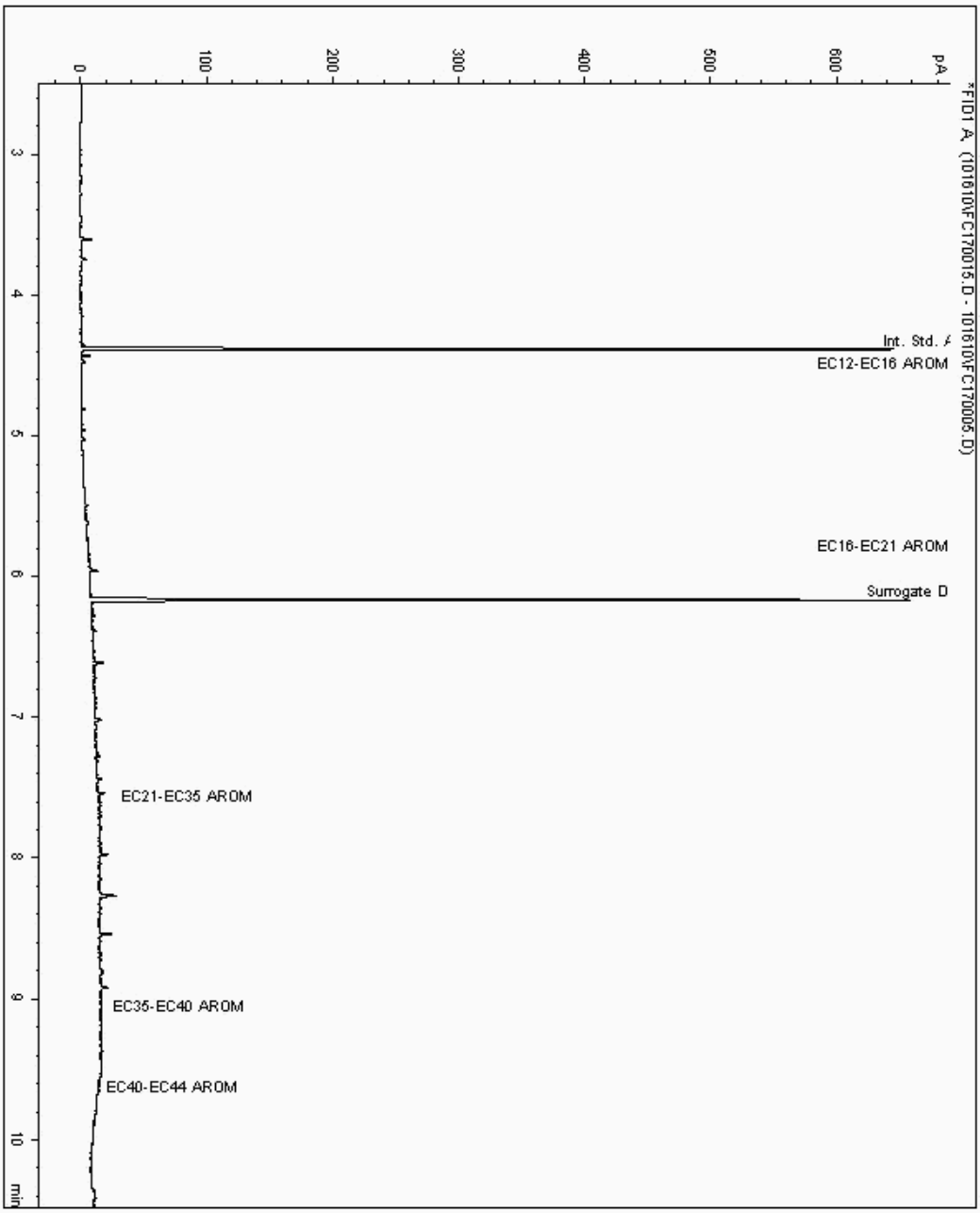
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237621
		Sample ID	SP31 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328339-2237621
Date Acquired : 17/10/10 18:40:19 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

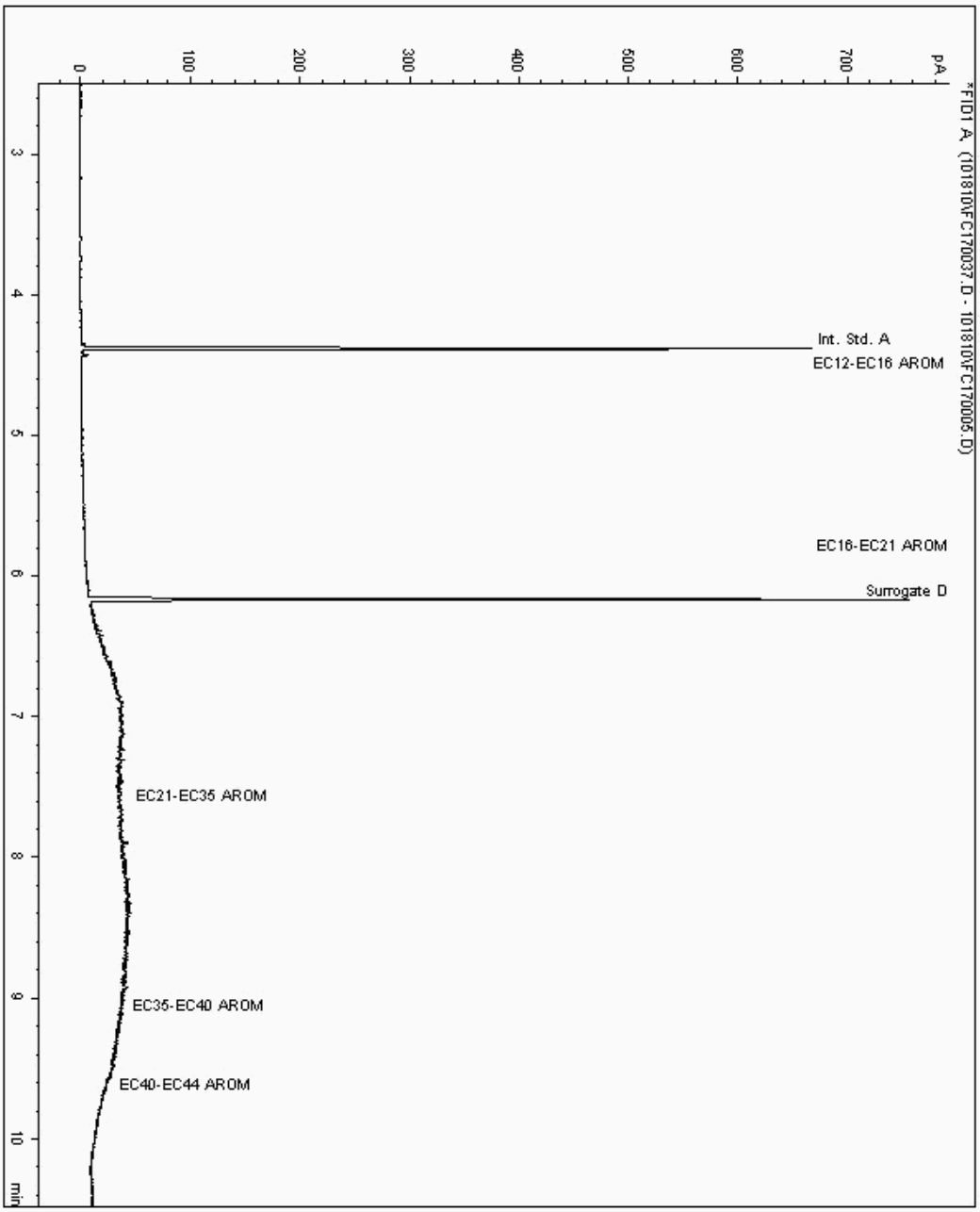
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237640
		Sample ID	SP23 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328592-2237640
Date Acquired : 19/10/10 03:58:25 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 4.790



Validated

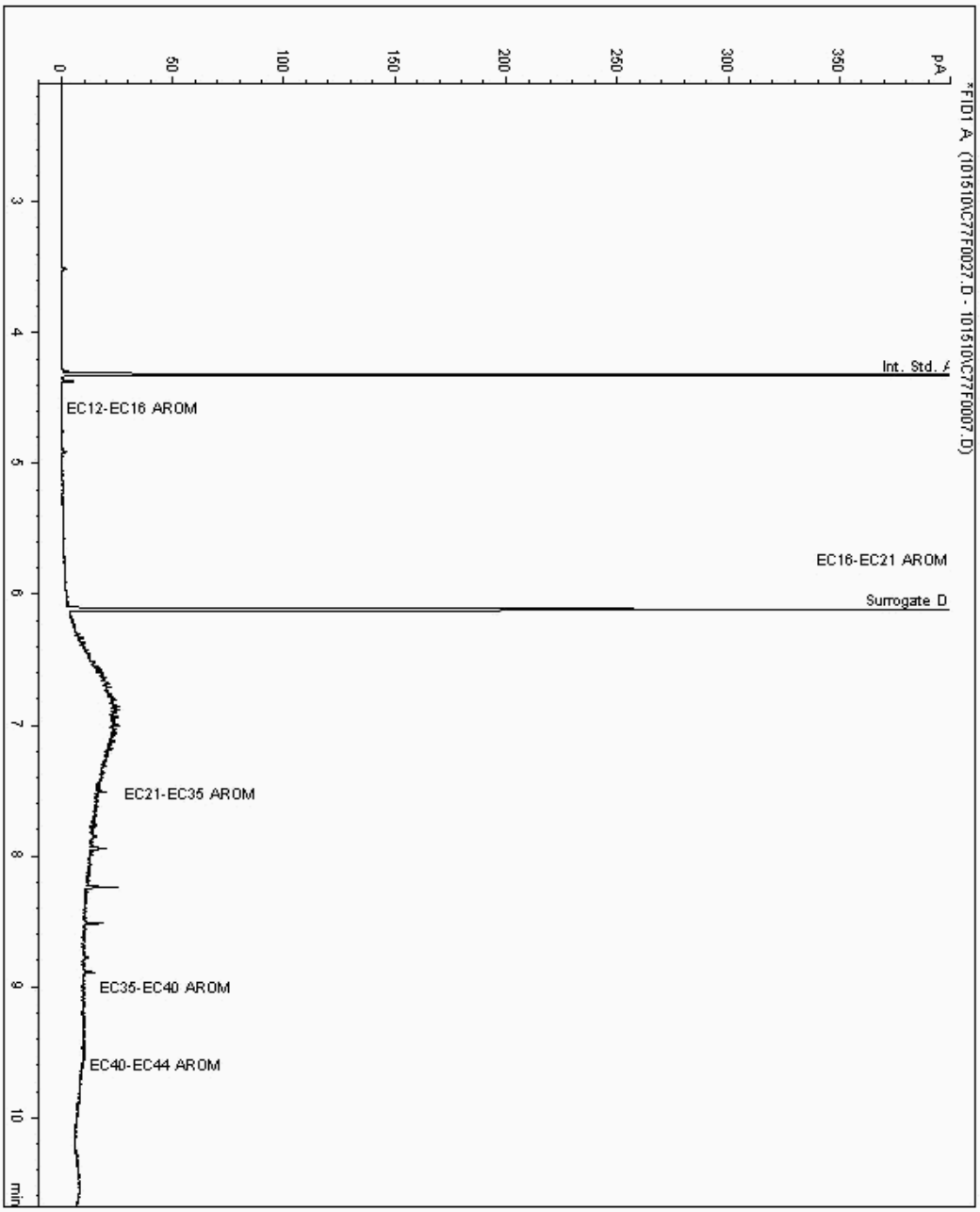
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237655
		Sample ID	SP23 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328635-2237655
Date Acquired : 16/10/10 04:57:12 PM
Units : ppb
Dilution:



Validated

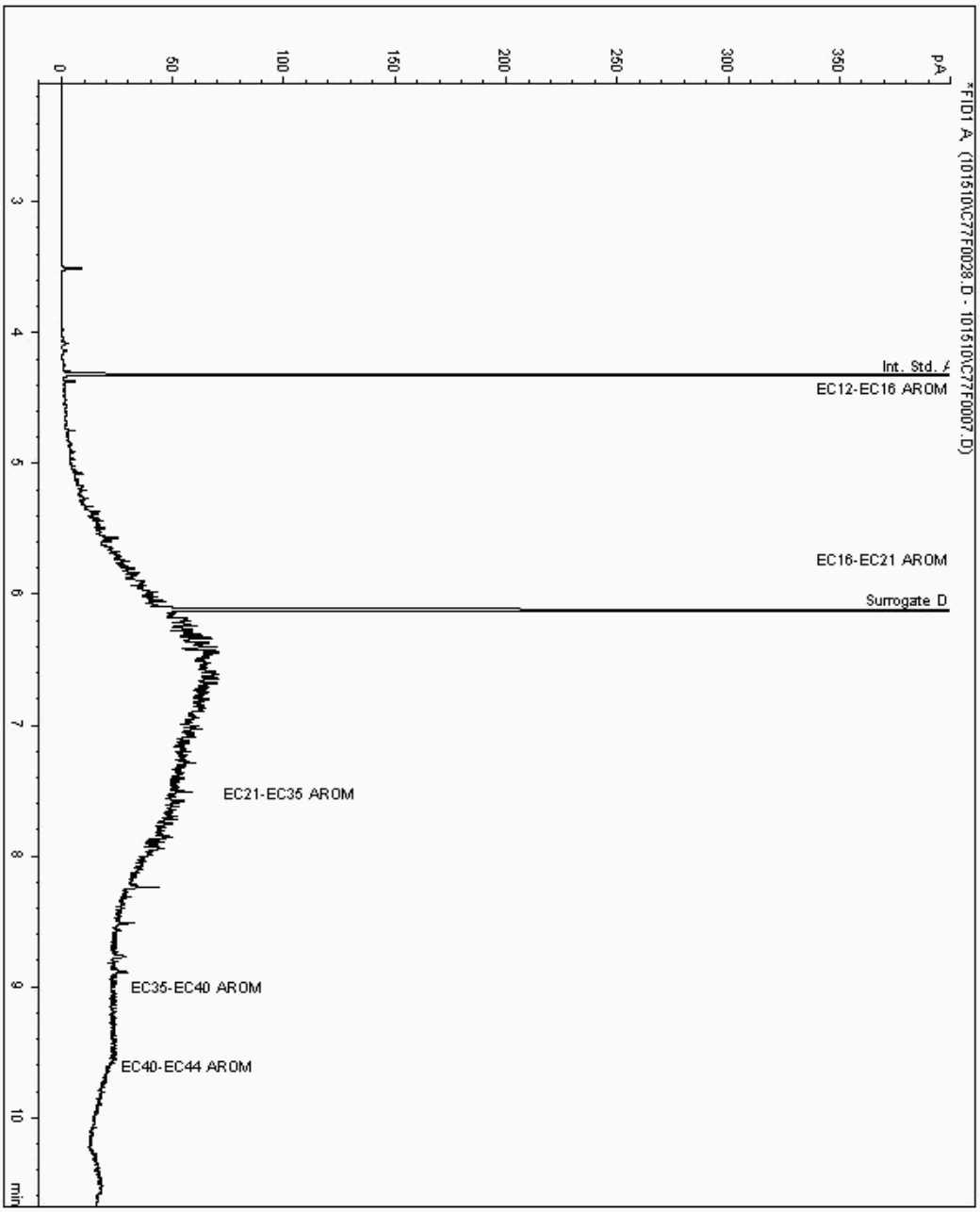
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237676
		Sample ID	SP24 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328448-2237676
Date Acquired : 16/10/10 05:16:48 PM
Units : ppb
Dilution:



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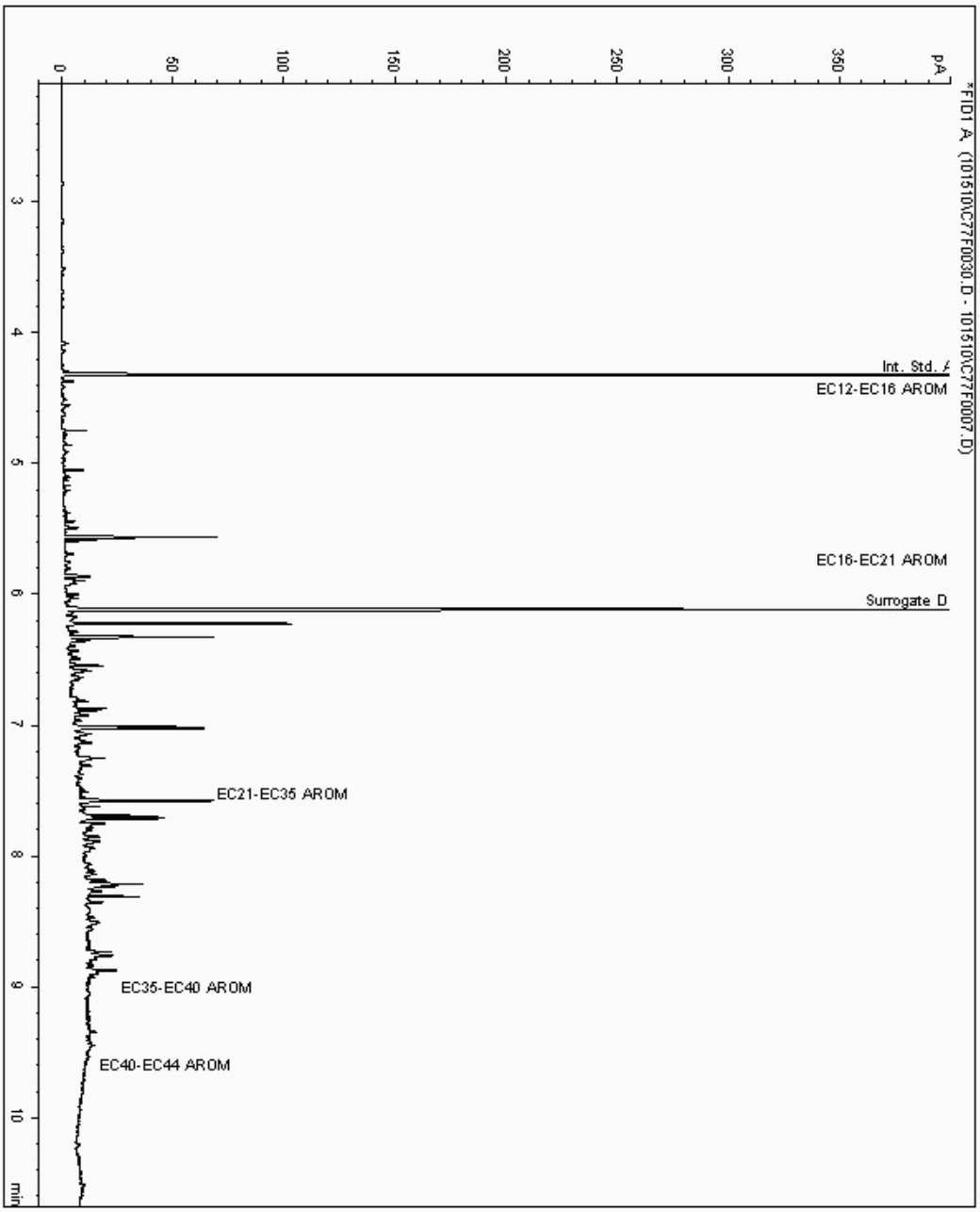
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237747
		Sample ID	SP29 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328530-2237747
Date Acquired : 16/10/10 05:46:43 PM
Units : ppb
Dilution:



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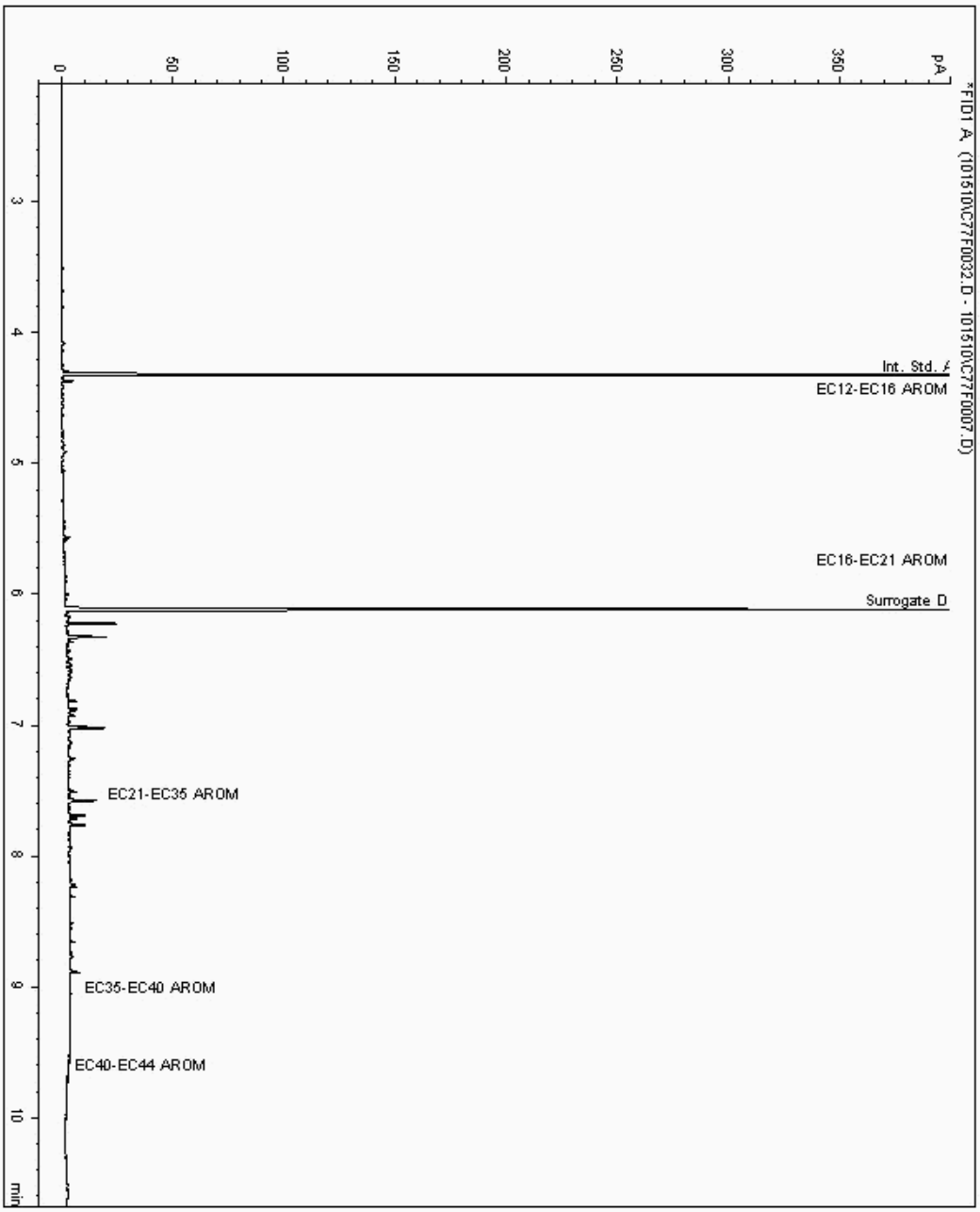
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237768
		Sample ID	SP26 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328261-2237768
Date Acquired : 16/10/10 06:16:30 PM
Units : ppb
Dilution:



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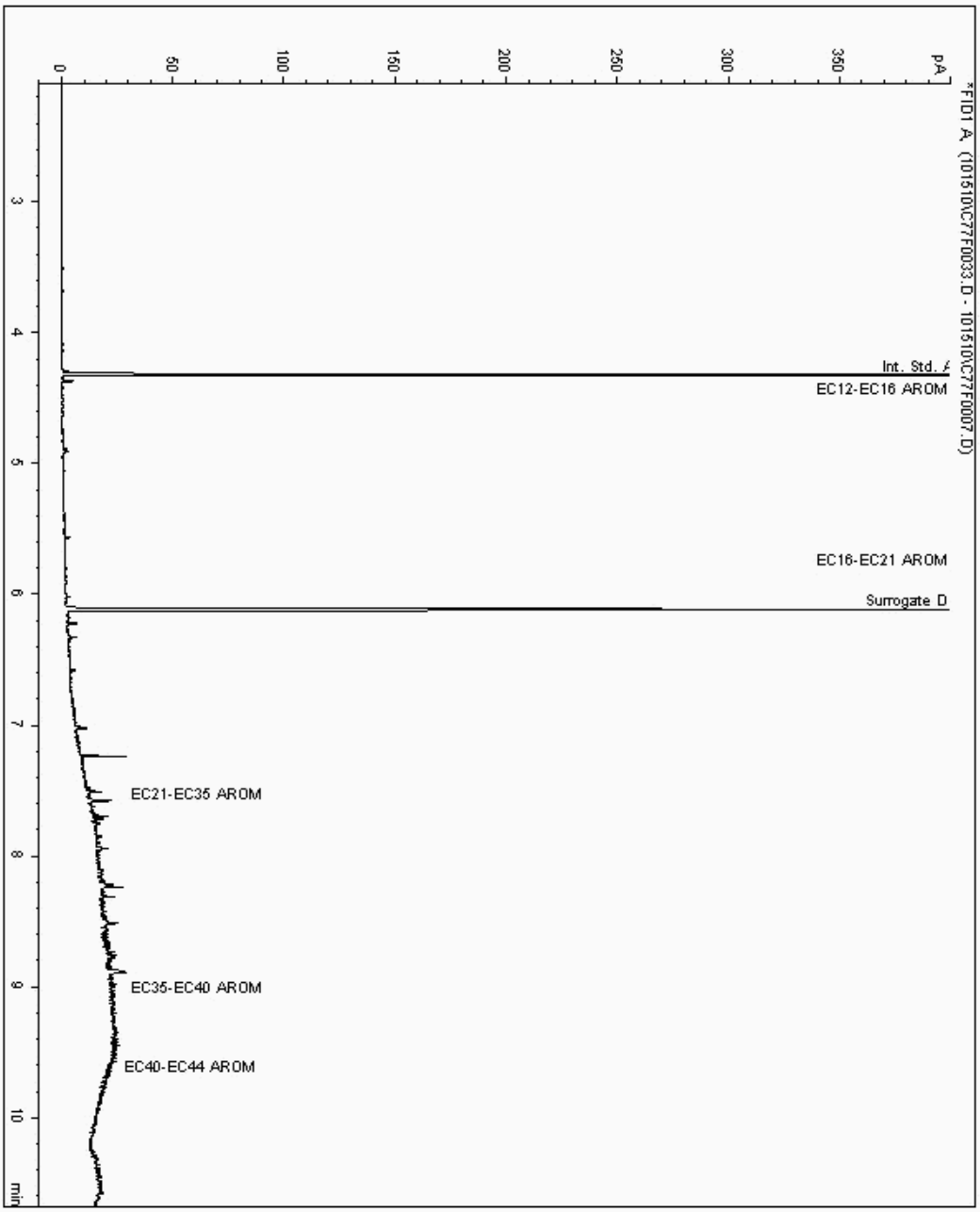
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237837
		Sample ID	SP33 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328382-2237837
Date Acquired : 16/10/10 06:36:14 PM
Units : ppb
Dilution:



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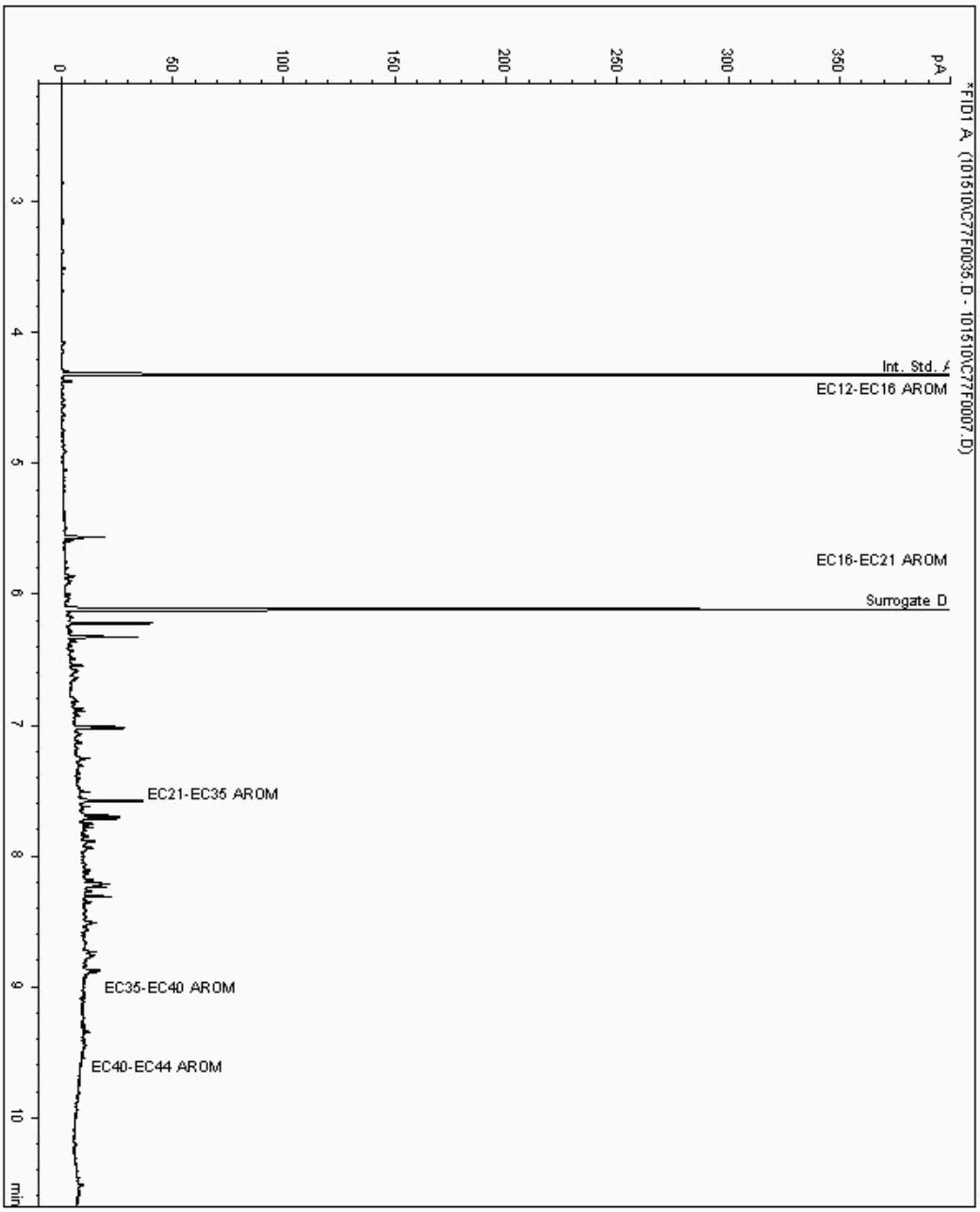
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237854
		Sample ID	SP29 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328411-2237854
Date Acquired : 16/10/10 07:06:13 PM
Units : ppb
Dilution:



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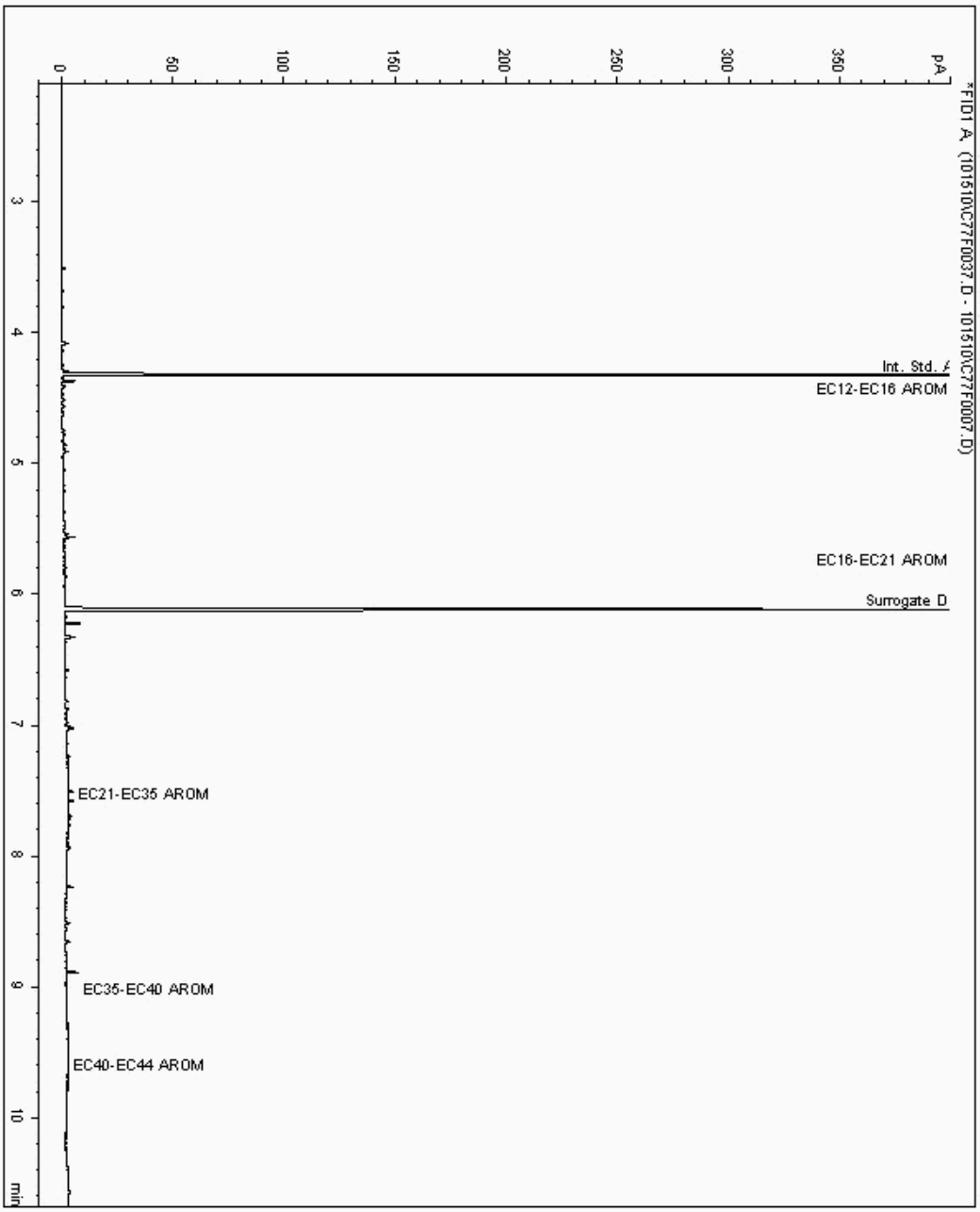
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237878
		Sample ID	SP26 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328278-2237878
Date Acquired : 16/10/10 07:35:58 PM
Units : ppb
Dilution:



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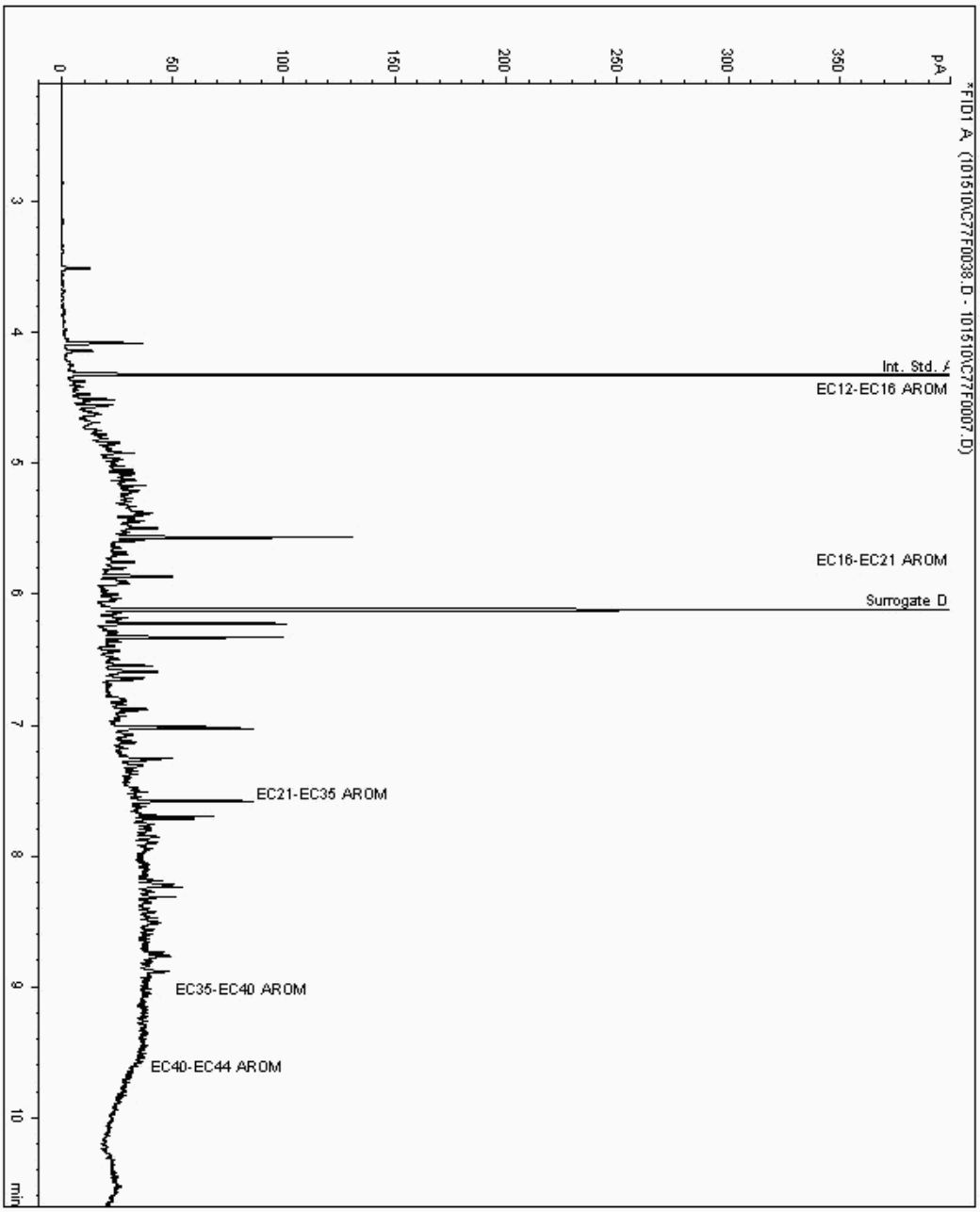
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2237892
		Sample ID	SP29 03
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328486-2237892
Date Acquired : 16/10/10 07:55:44 PM
Units : ppb
Dilution:



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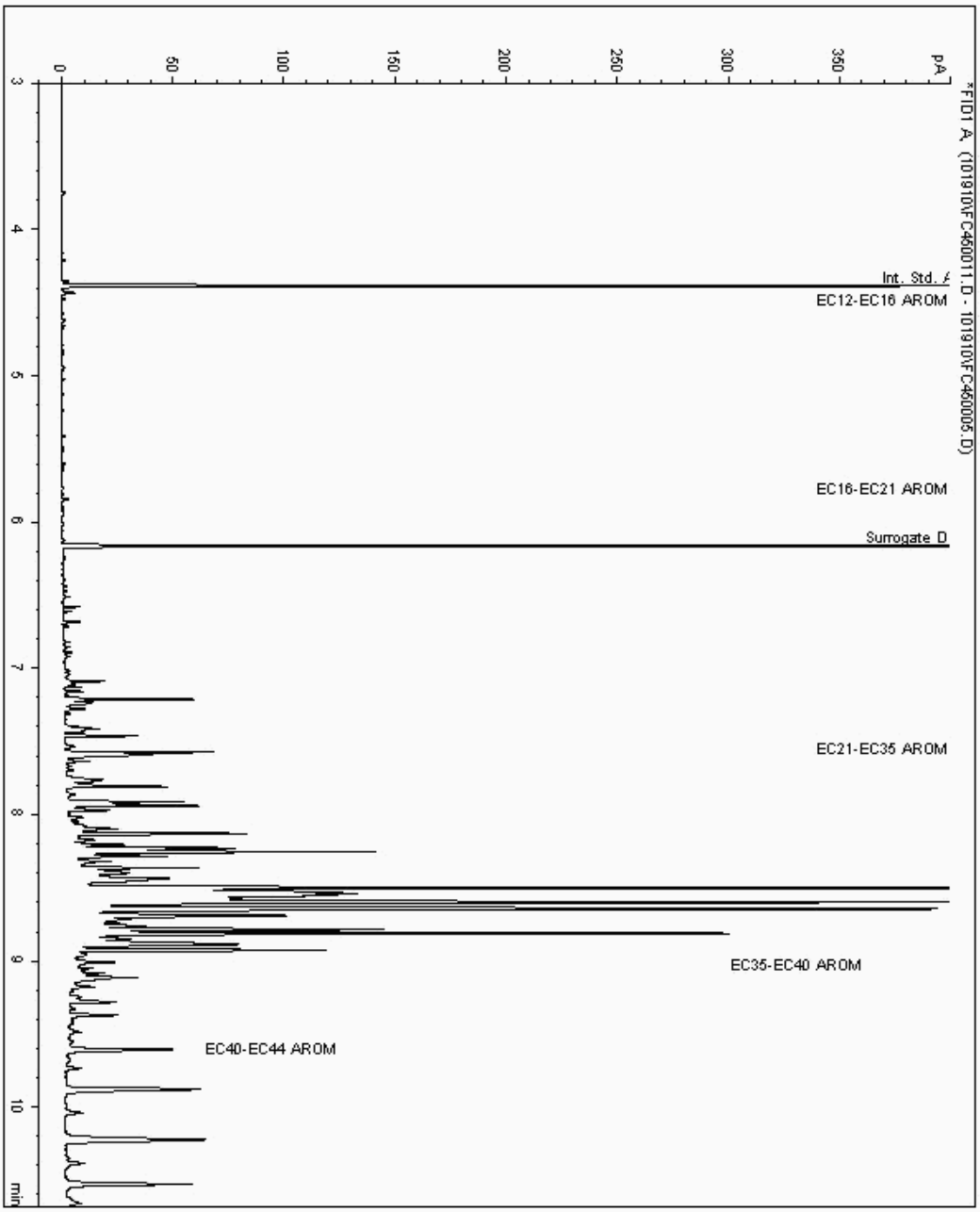
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2242220
		Sample ID	SP30 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328353-2242220
Date Acquired : 19/10/10 20:14:51 PM
Units : ppb
Dilution:



Validated

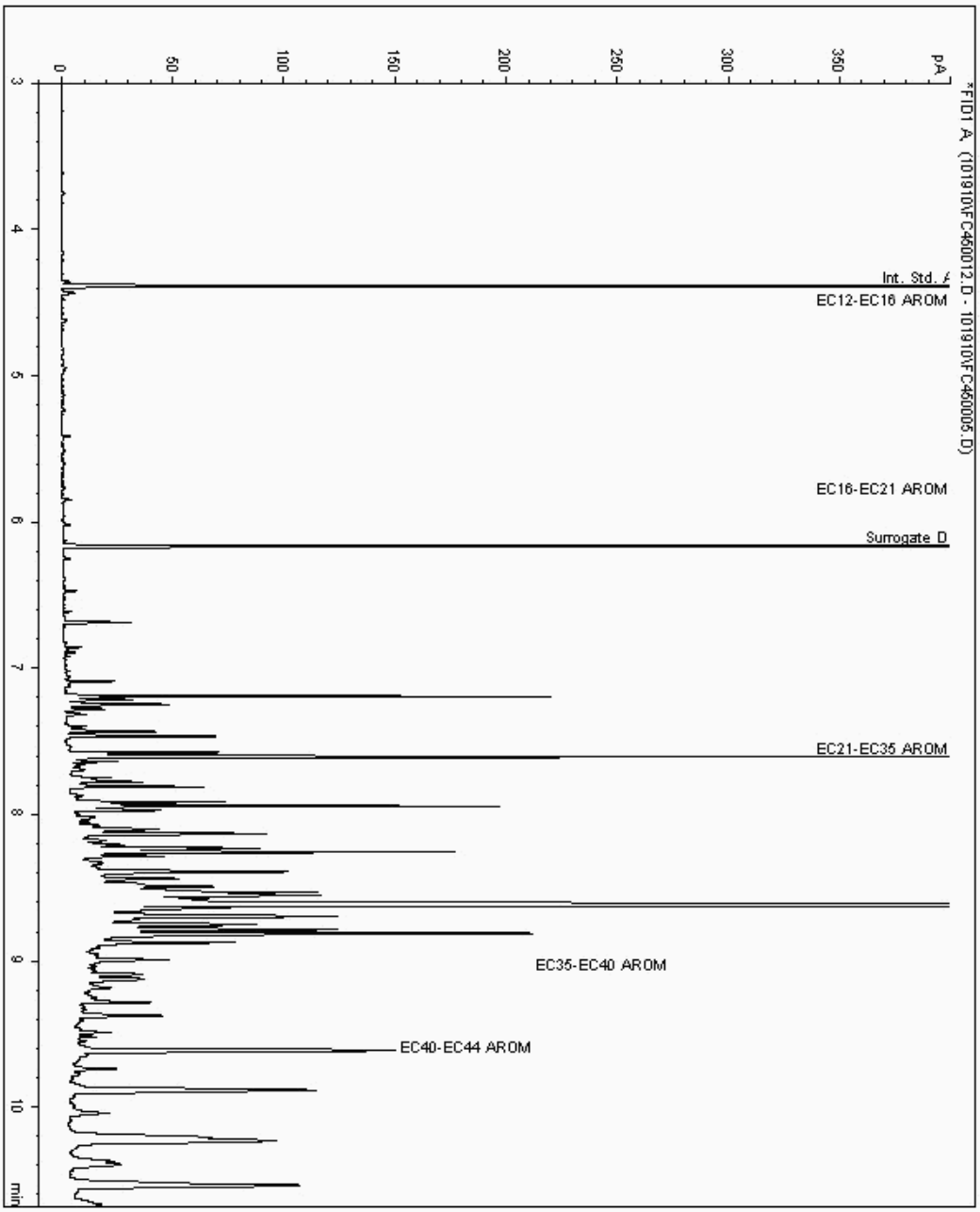
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2242255
		Sample ID	SP30 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328367-2242255
Date Acquired : 19/10/10 20:34:41 PM
Units : ppb
Dilution:



Validated

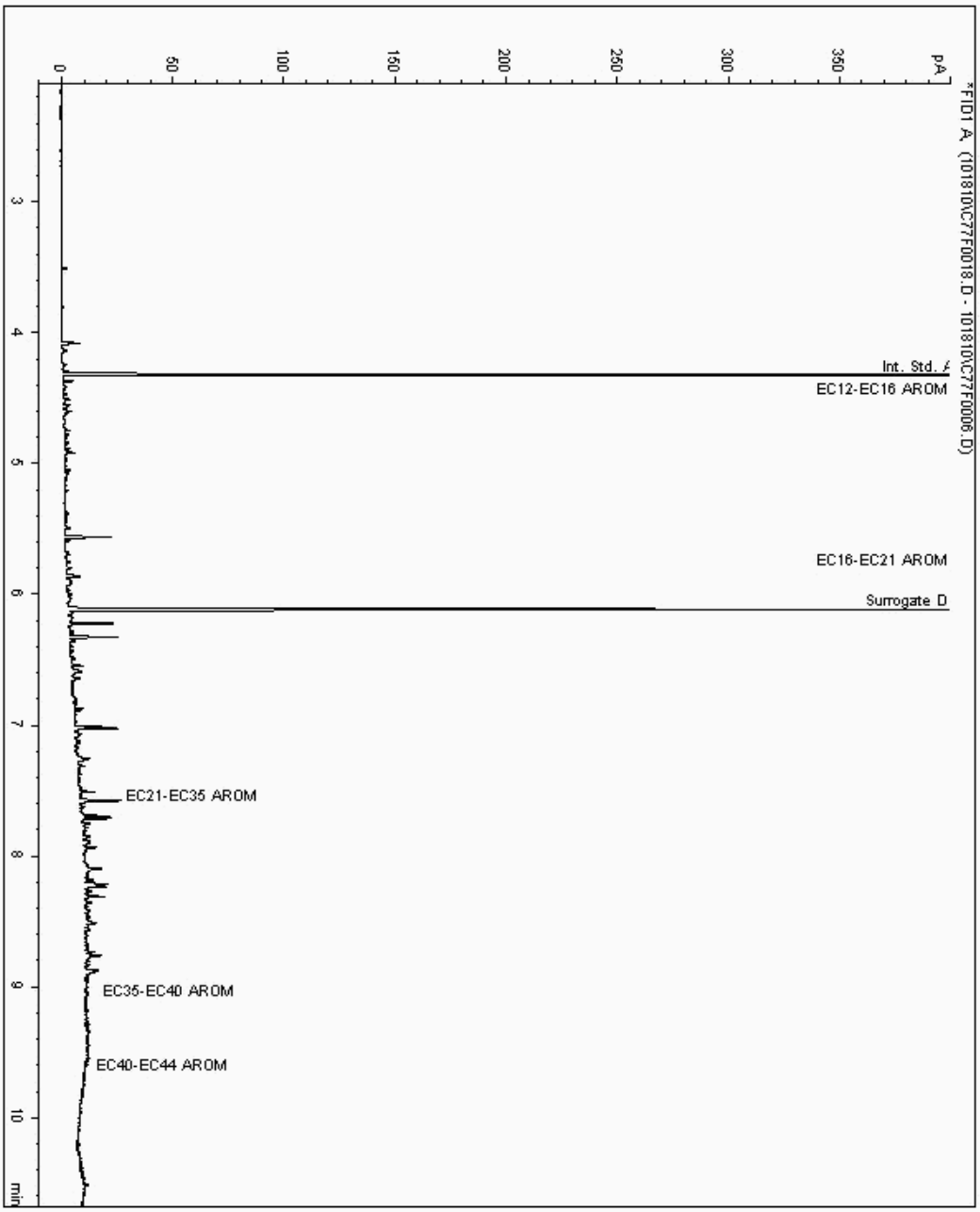
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2242297
		Sample ID	SP28 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328501-2242297
Date Acquired : 18/10/10 19:26:53 PM
Units : ppb
Dilution:



Validated

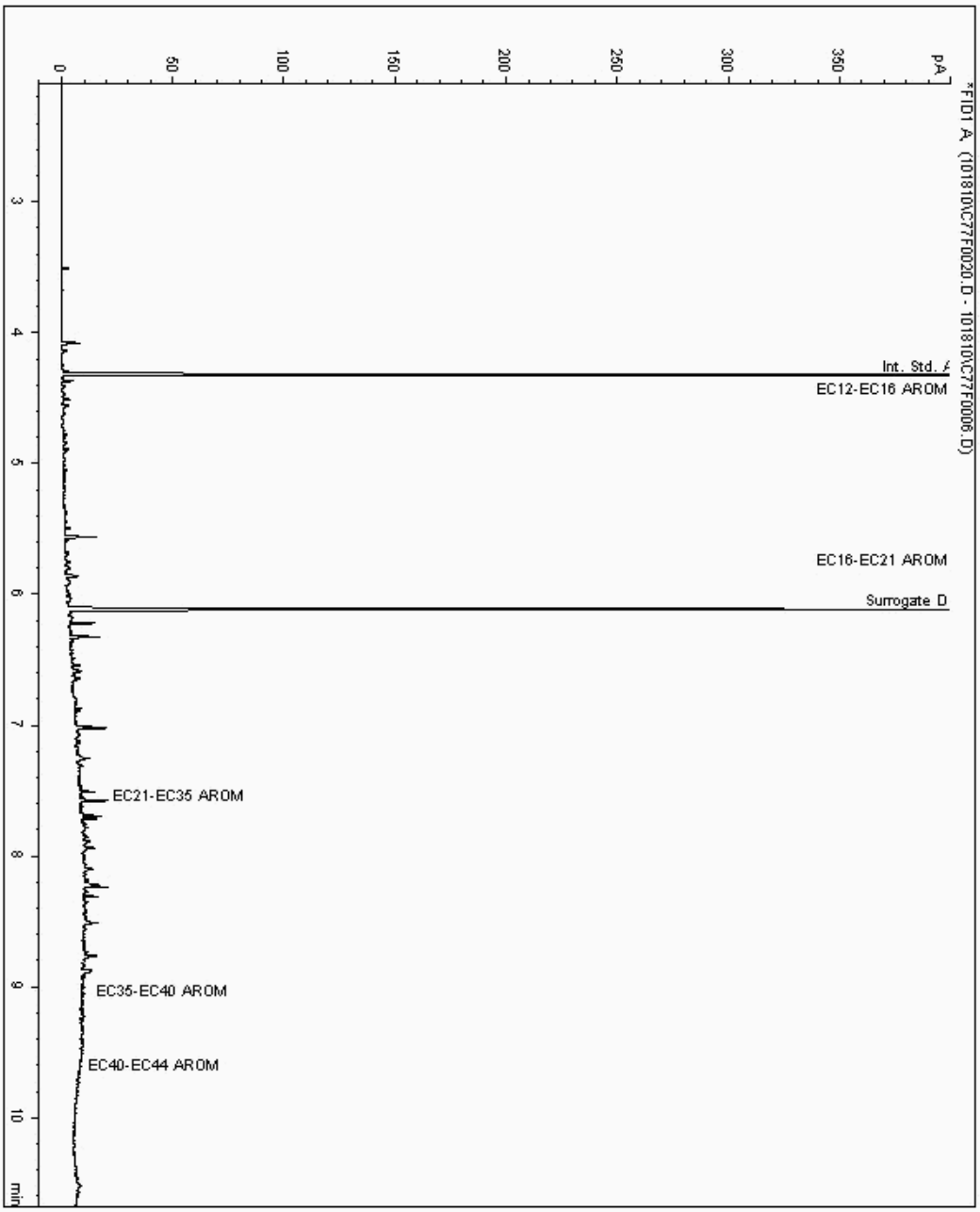
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2242366
		Sample ID	SP28 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328577-2242366
Date Acquired : 18/10/10 19:56:43 PM
Units : ppb
Dilution:



Validated

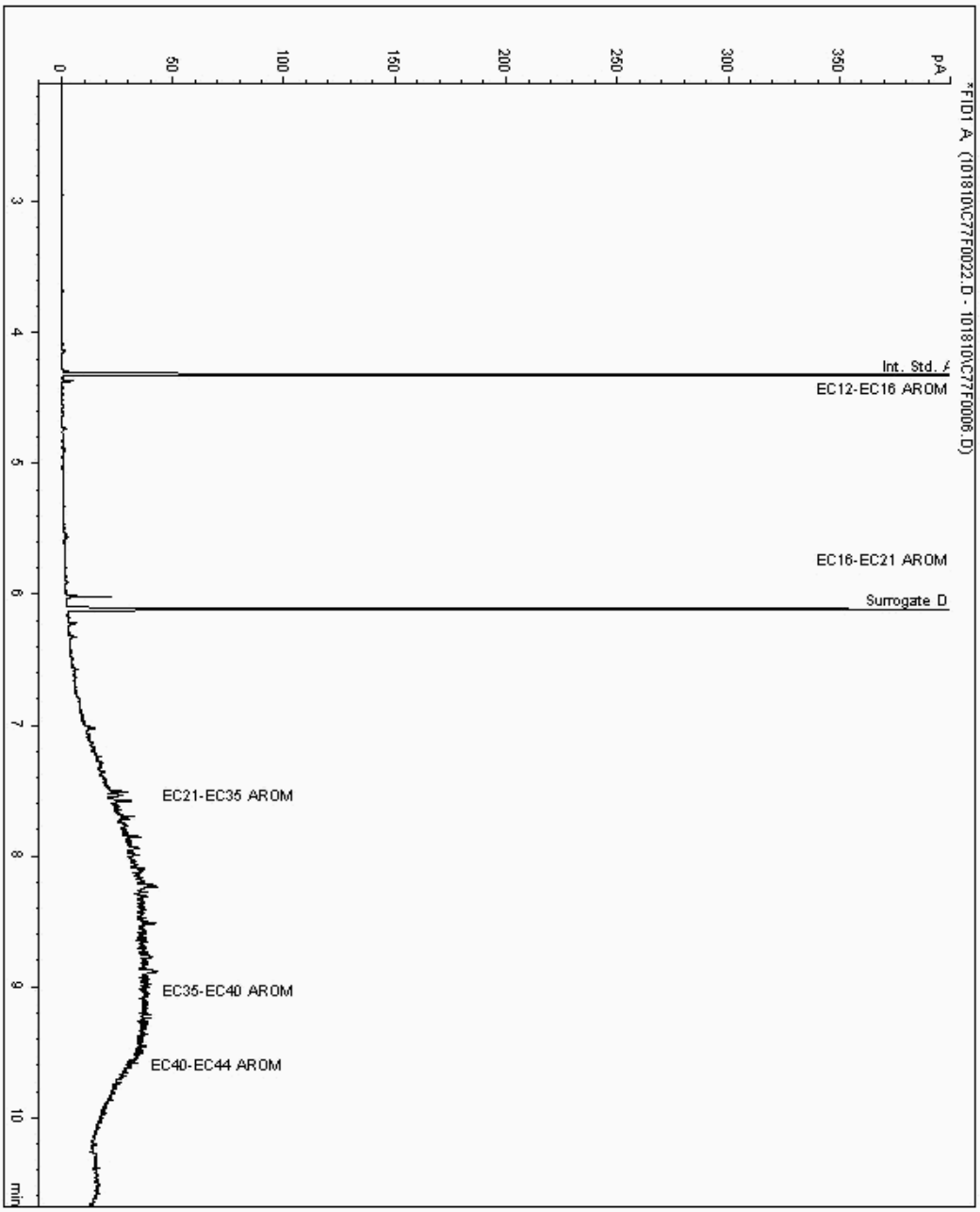
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2242407
		Sample ID	SP25 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328560-2242407
Date Acquired : 18/10/10 20:26:32 PM
Units : ppb
Dilution:



Validated

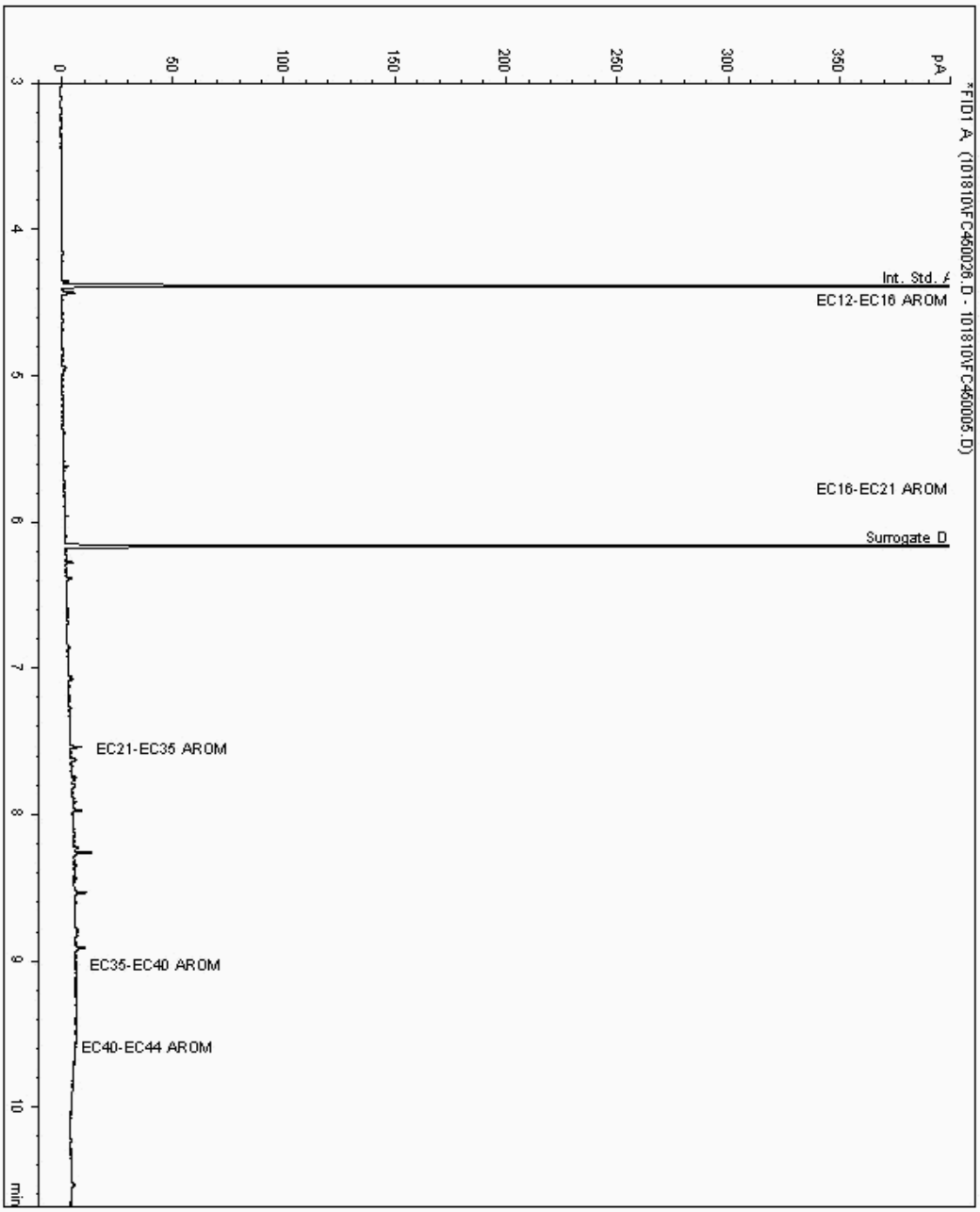
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2242444
		Sample ID	SP32 01
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328472-2242444
Date Acquired : 18/10/10 19:11:17 PM
Units : ppb
Dilution:



Validated

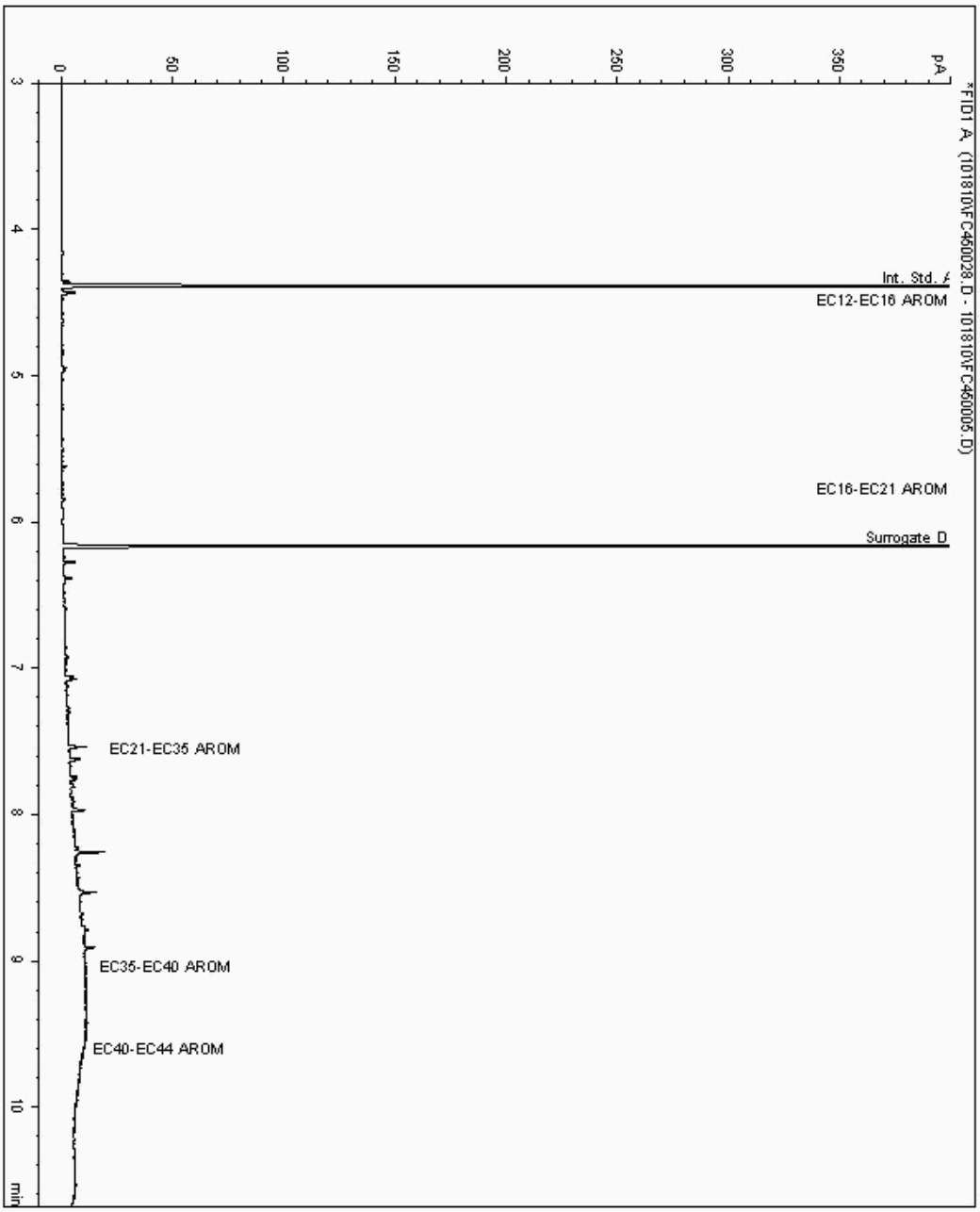
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2242563
		Sample ID	SP32 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328397-2242563
Date Acquired : 18/10/10 19:41:22 PM
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Dilution:



Validated

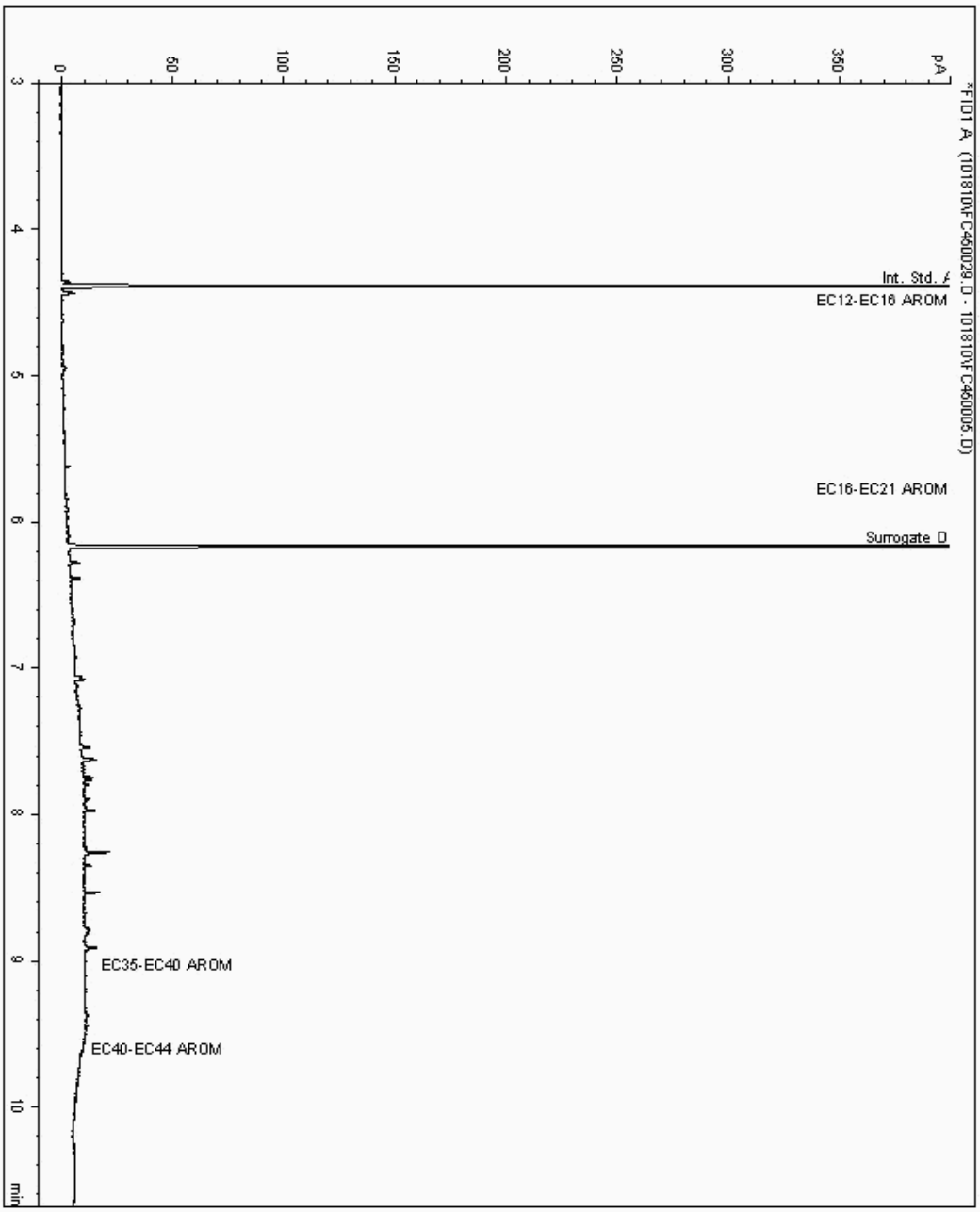
ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2242601
		Sample ID	SP25 02
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2328516-2242601
Date Acquired : 18/10/10 20:00:54 PM
Units : ppb
Dilution:

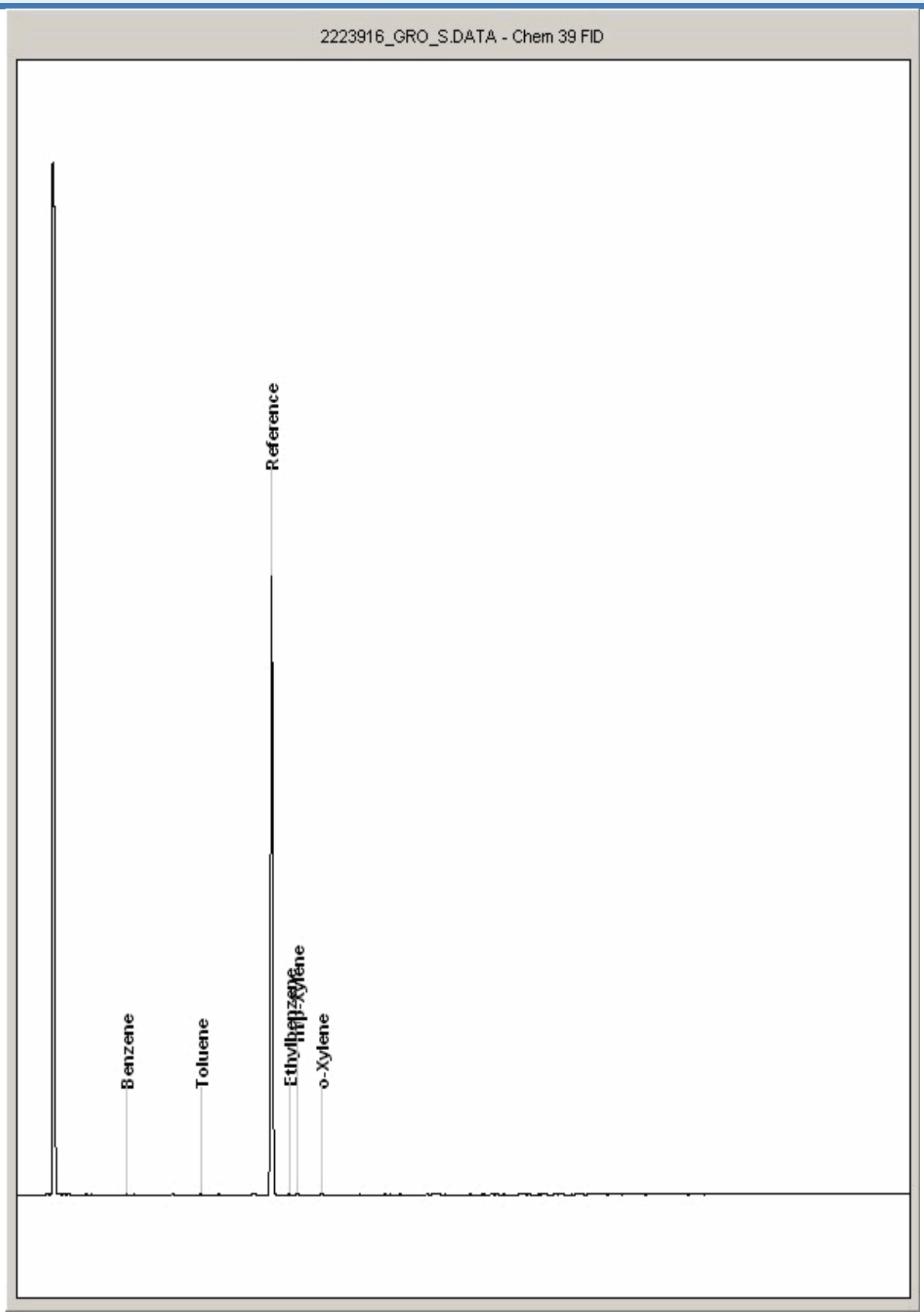


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223916
		Sample ID	SP31 04
		Depth	

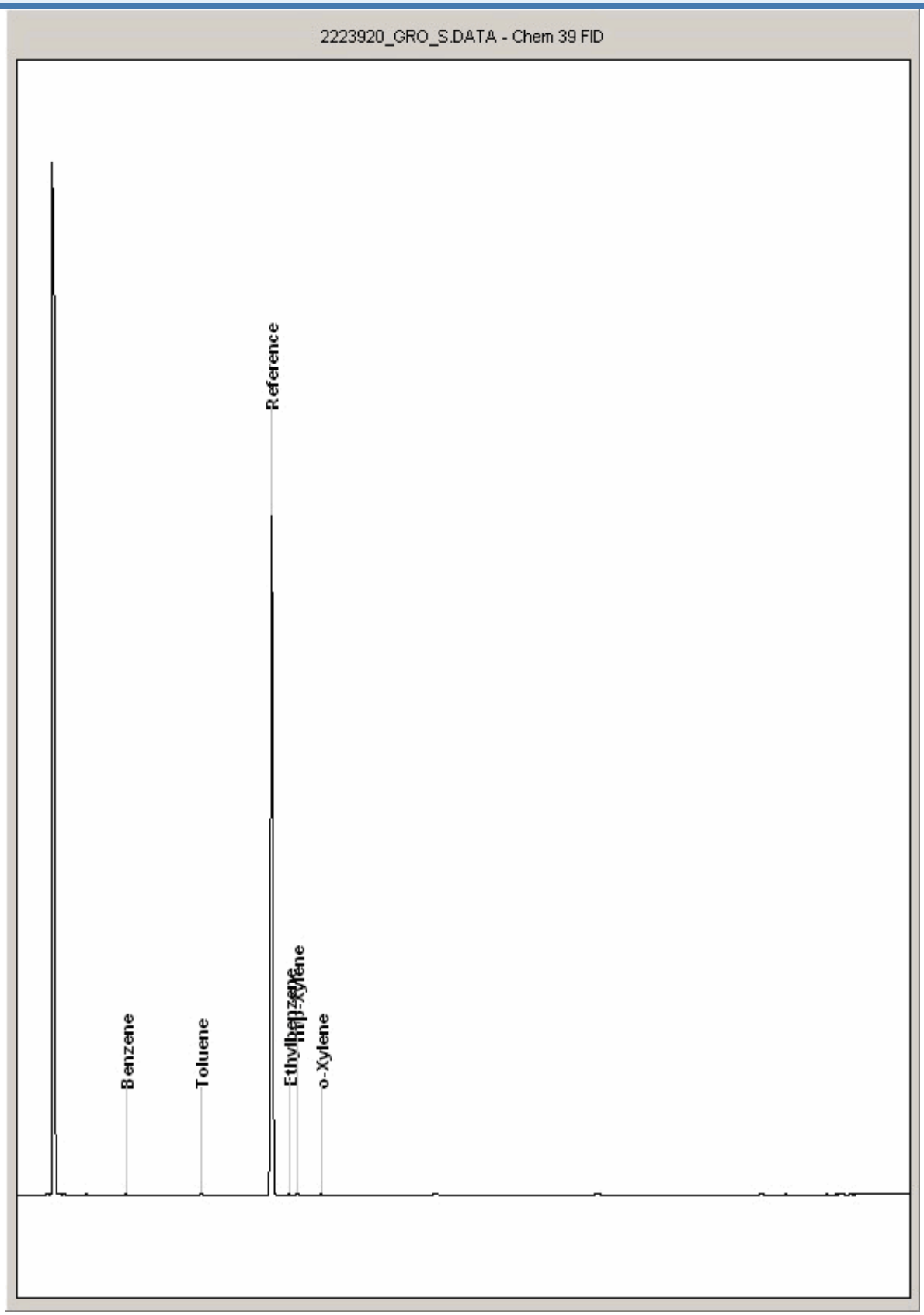


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223920
		Sample ID	SP31 05
		Depth	

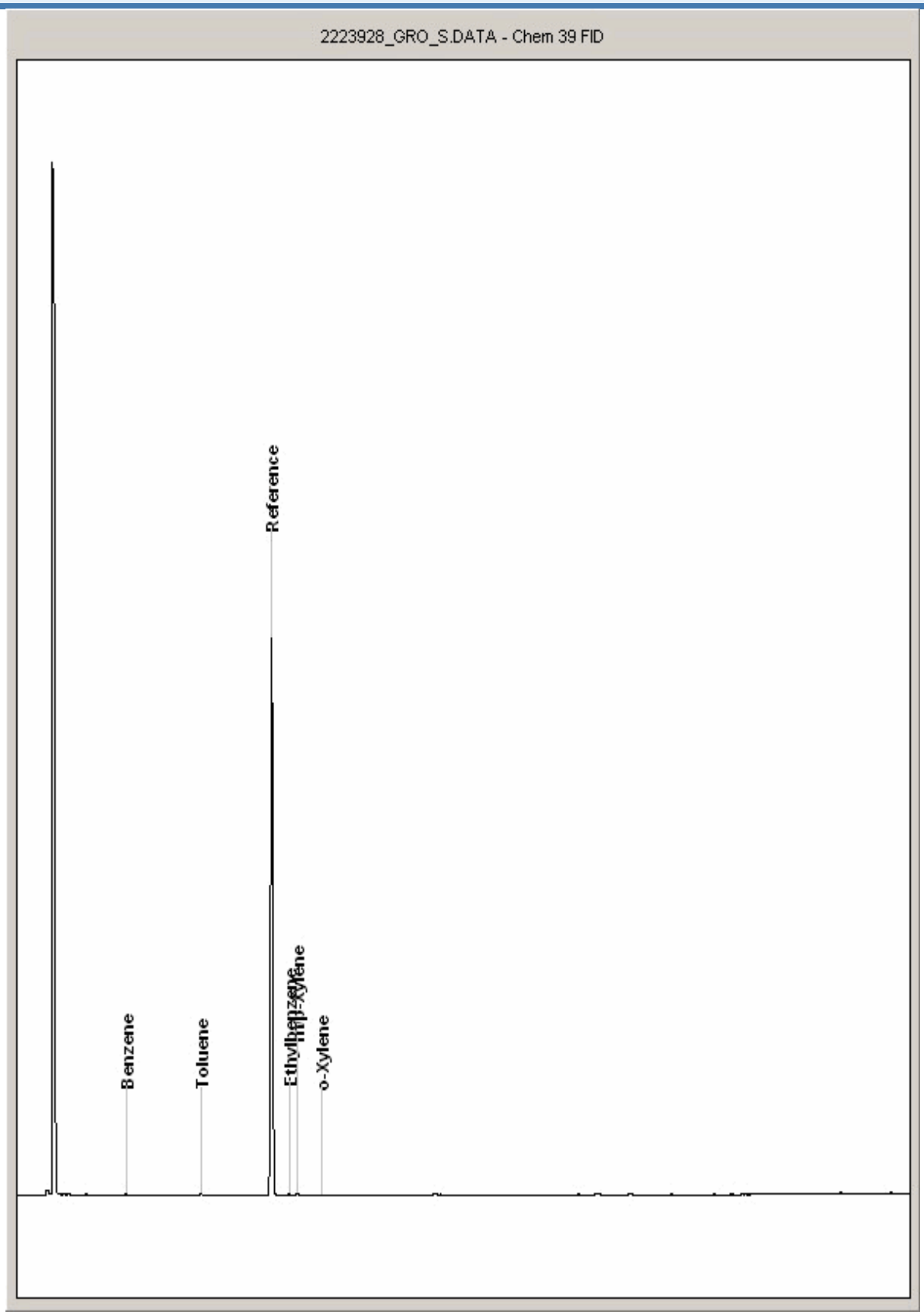


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223928
		Sample ID	SP31 01
		Depth	

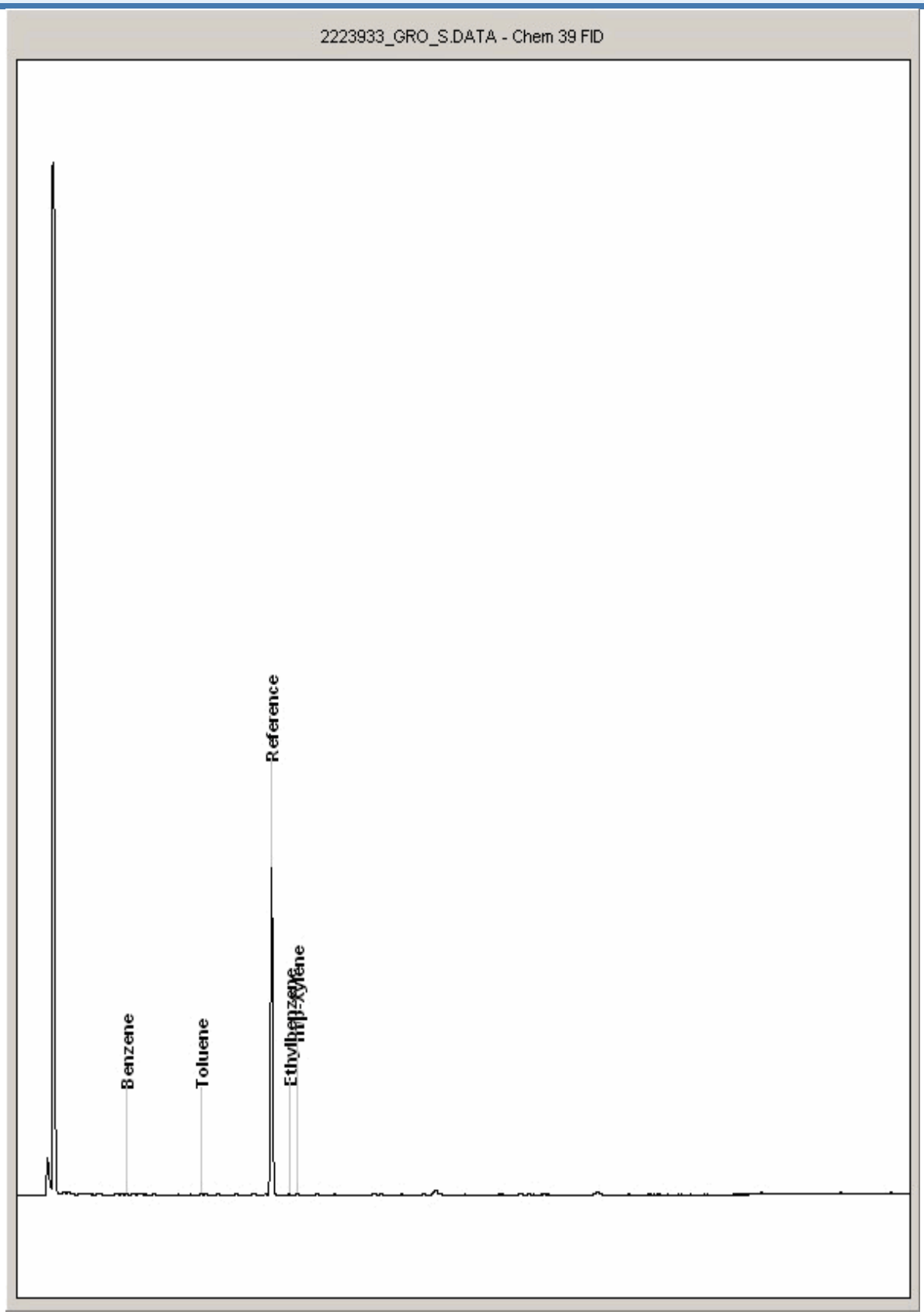


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223933
		Sample ID	SP30 02
		Depth	

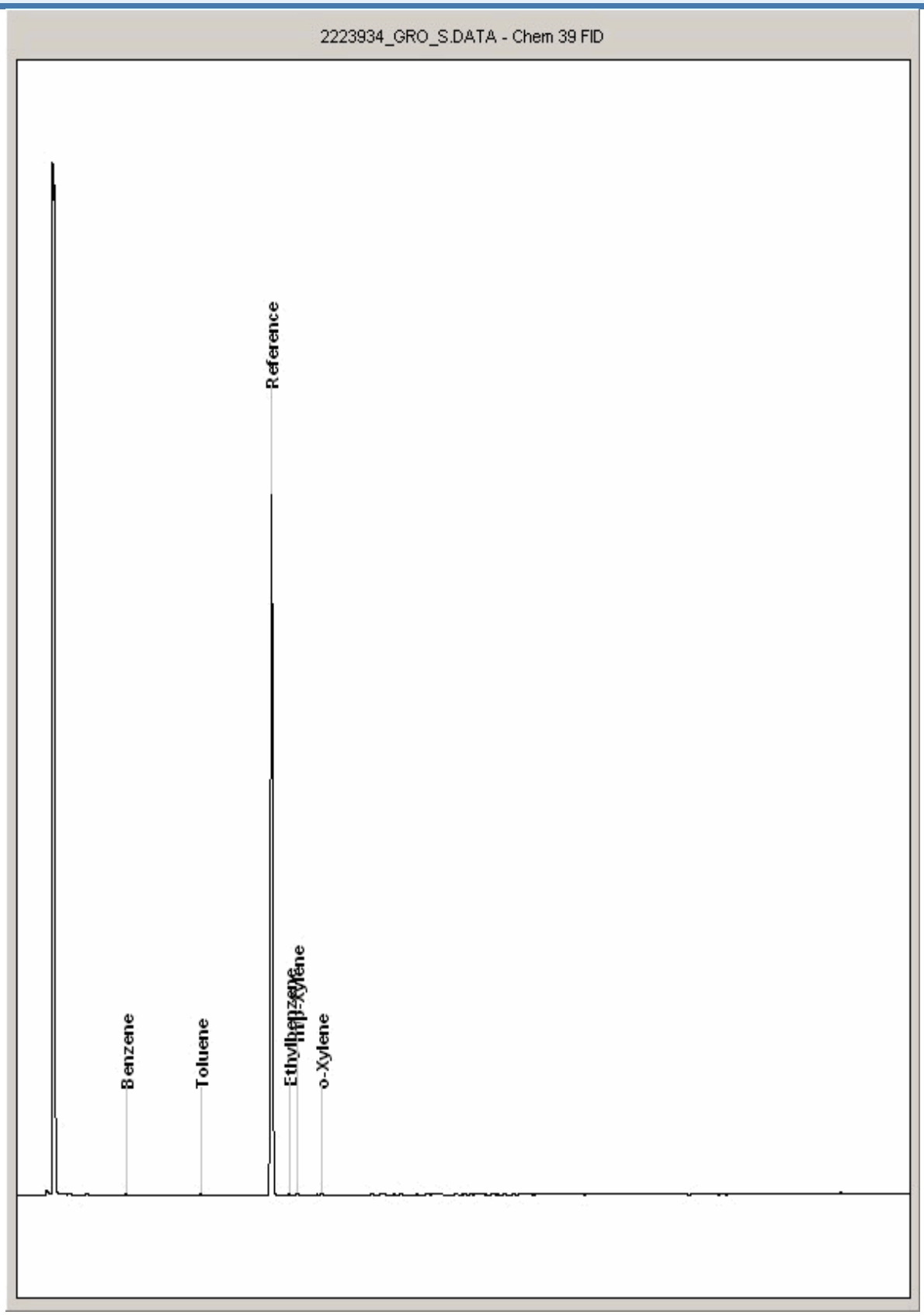


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223934
		Sample ID	SP31 02
		Depth	

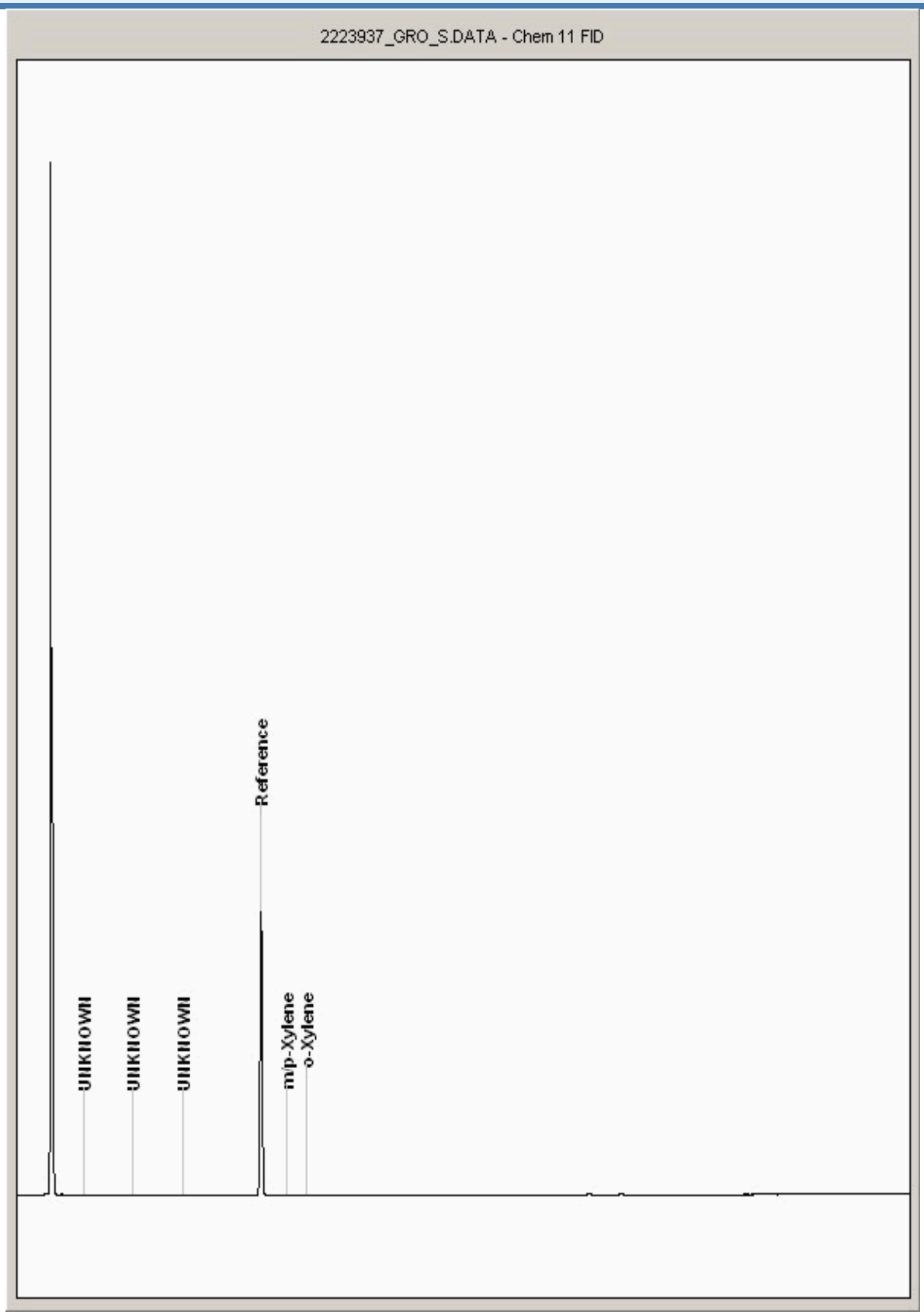


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223937
		Sample ID	SP23 02
		Depth	

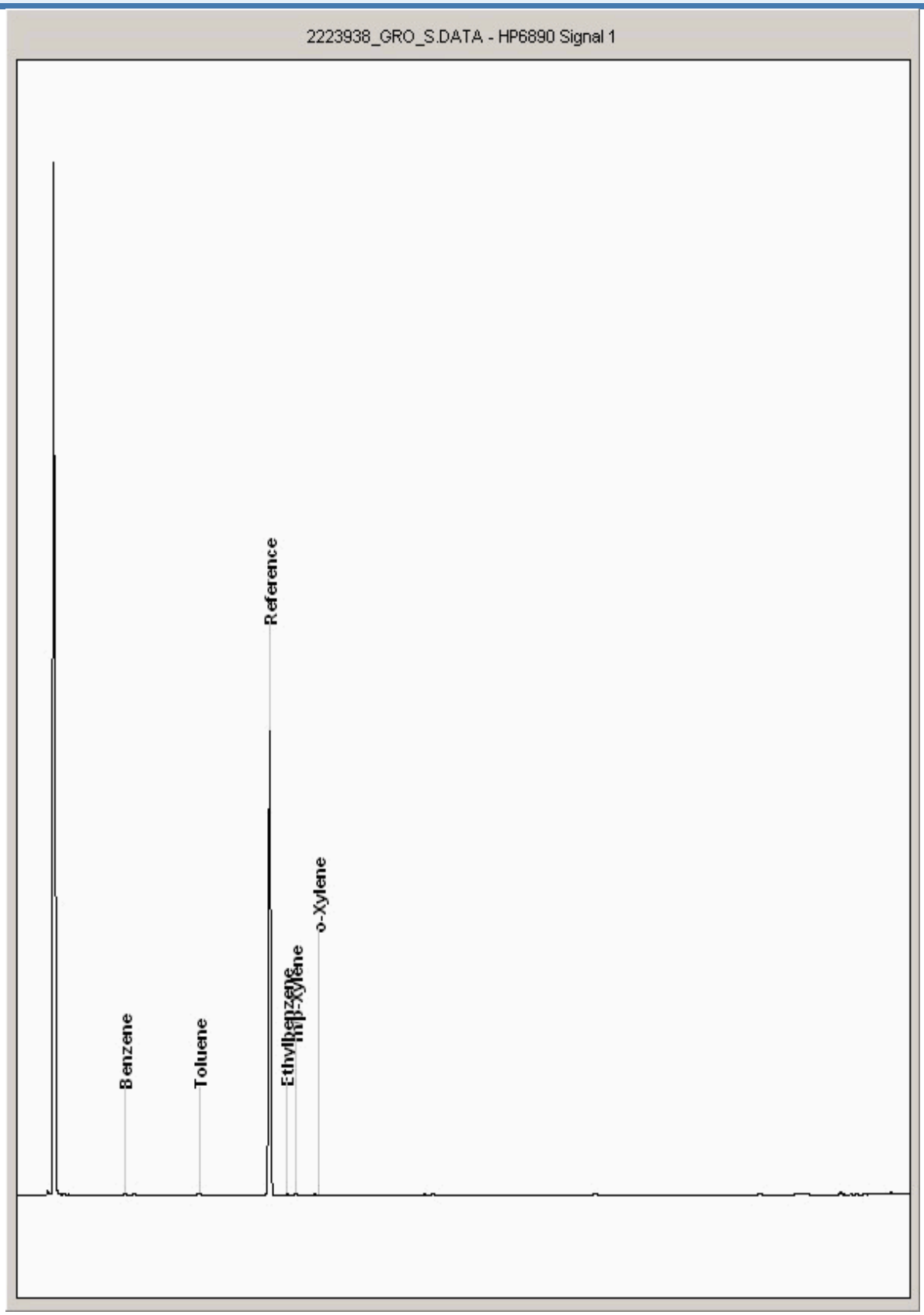


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223938
		Sample ID	SP26 02
		Depth	

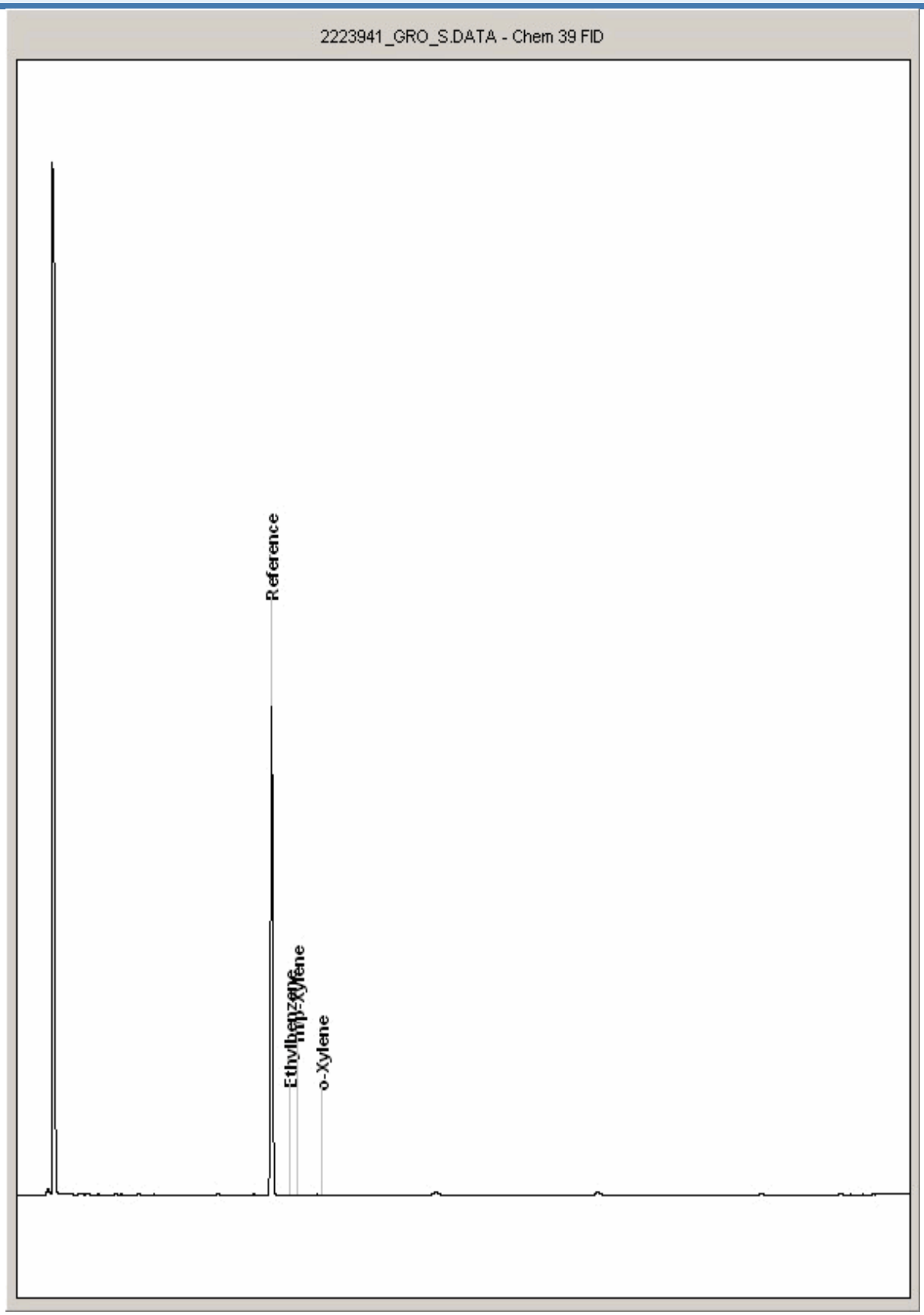


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223941
		Sample ID	SP30 01
		Depth	

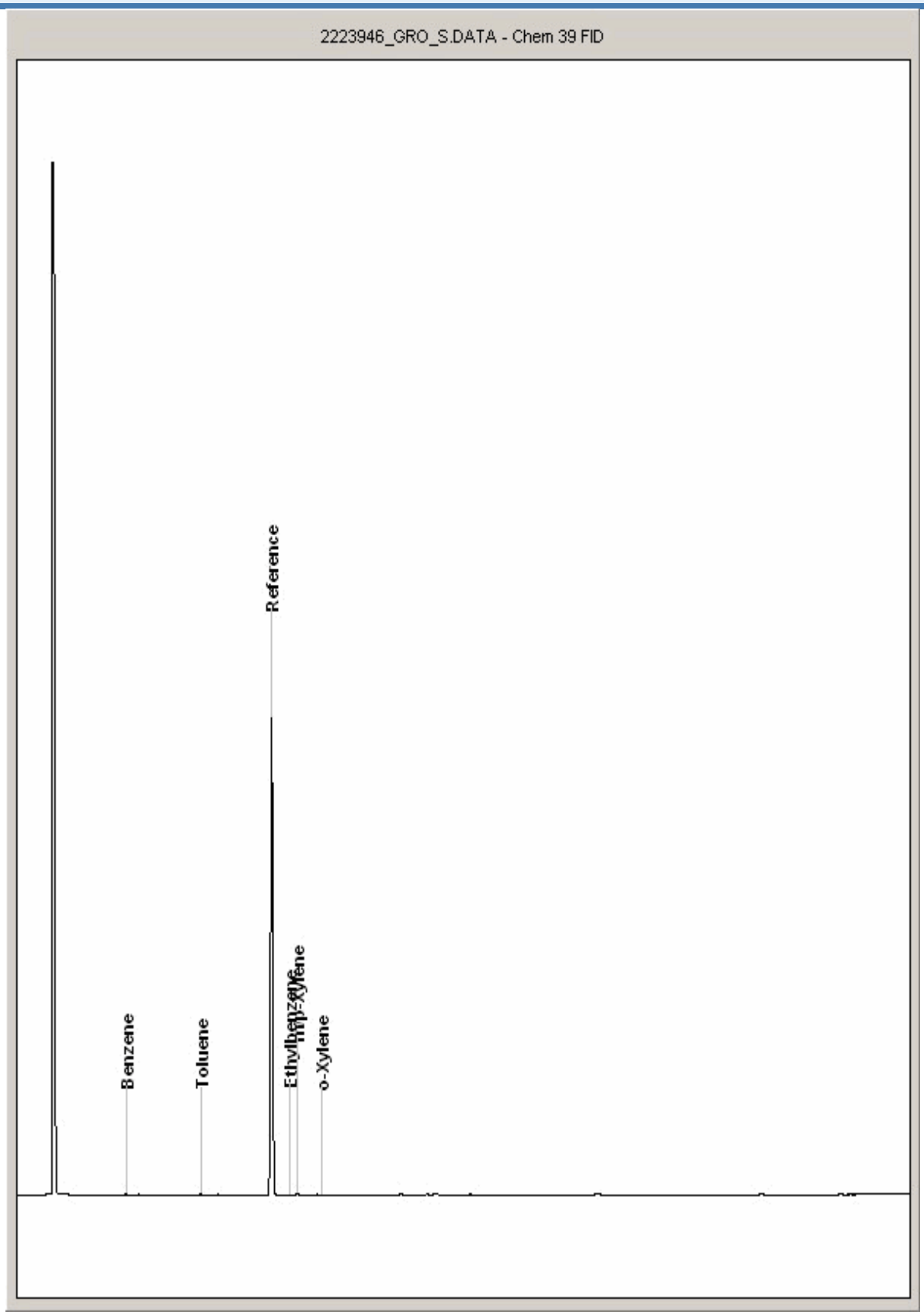


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223946
		Sample ID	SP33 01
		Depth	

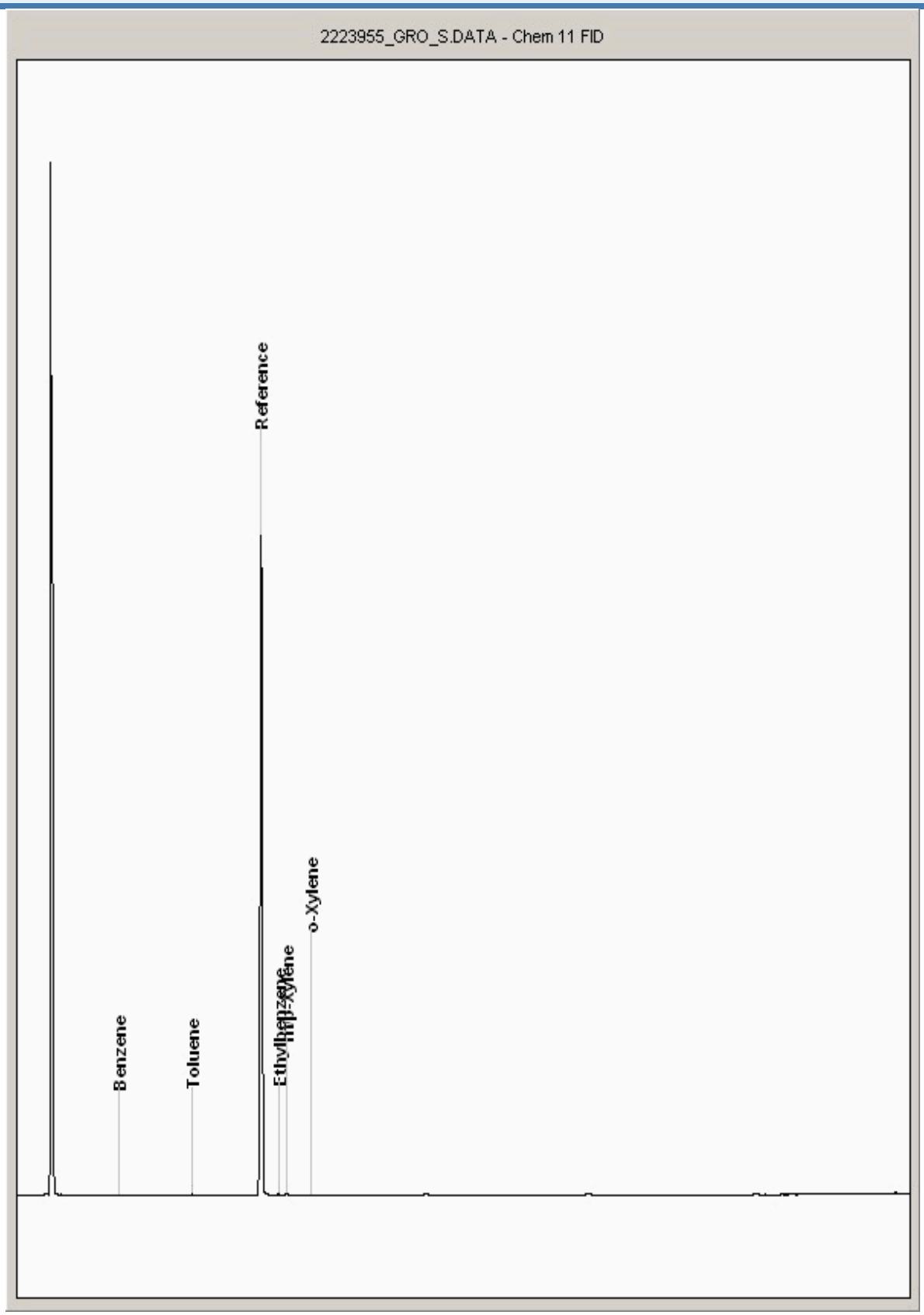


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223955
		Sample ID	SP23 04
		Depth	

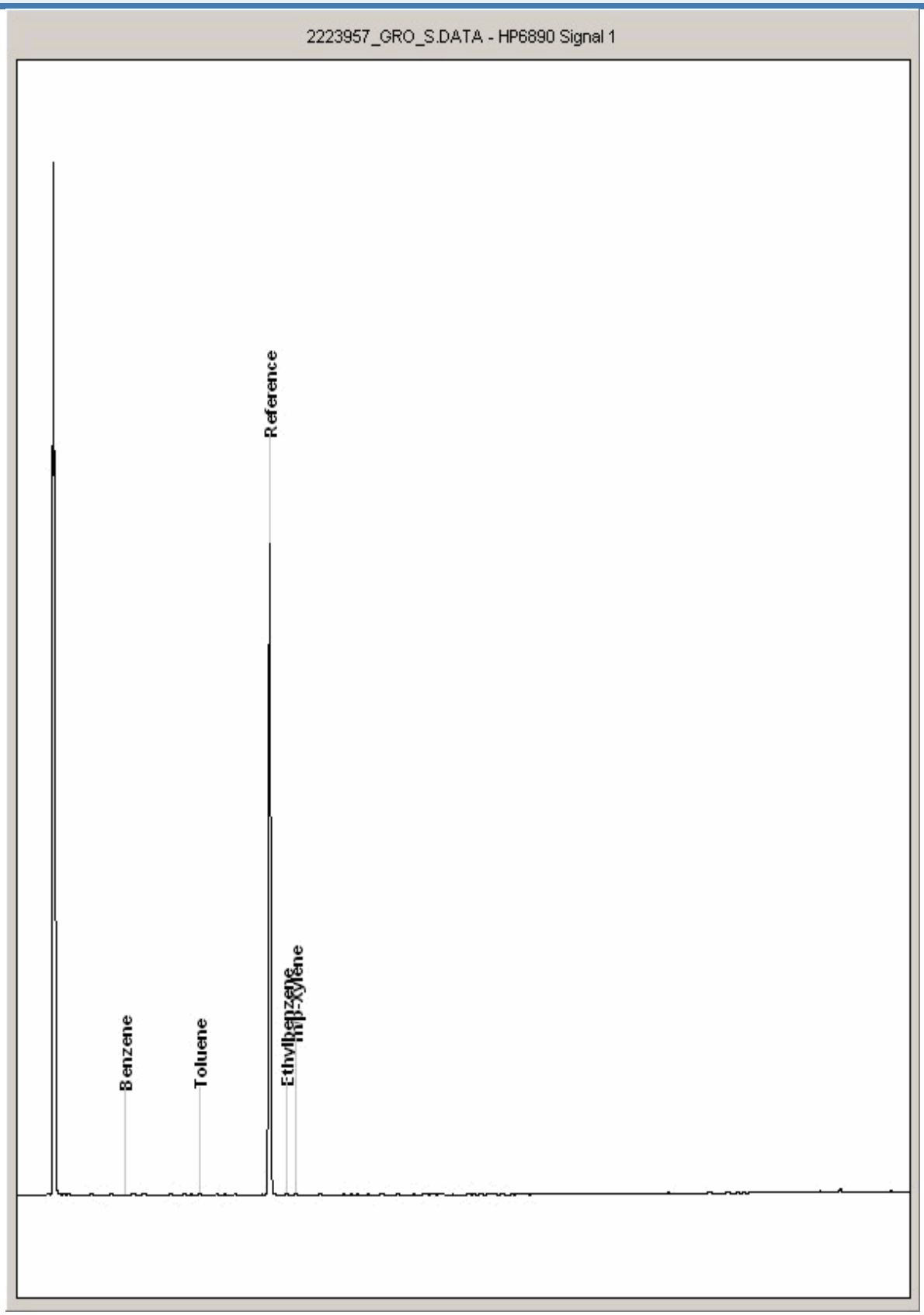


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223957
		Sample ID	SP31 03
		Depth	

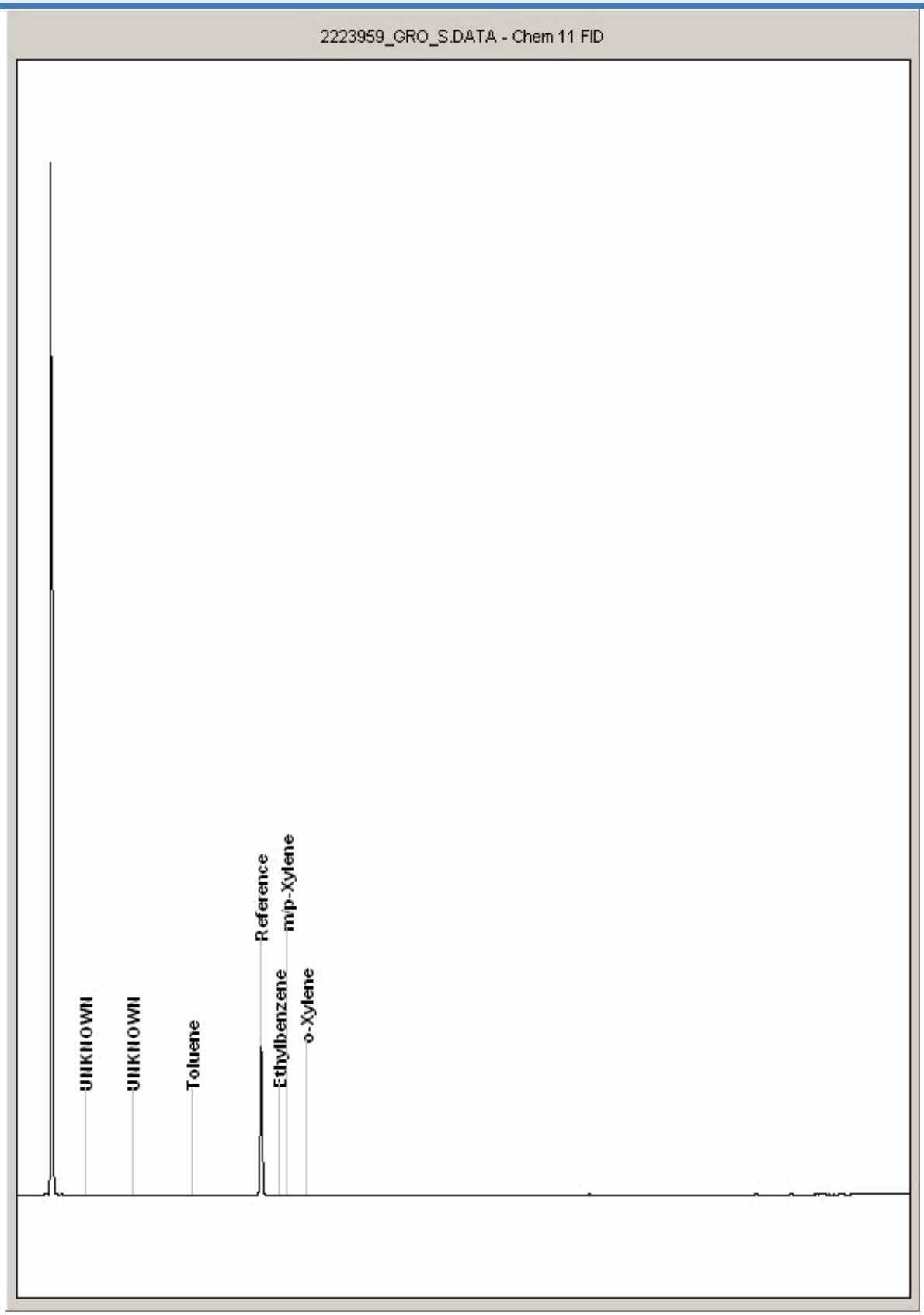


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223959
		Sample ID	SP23 01
		Depth	

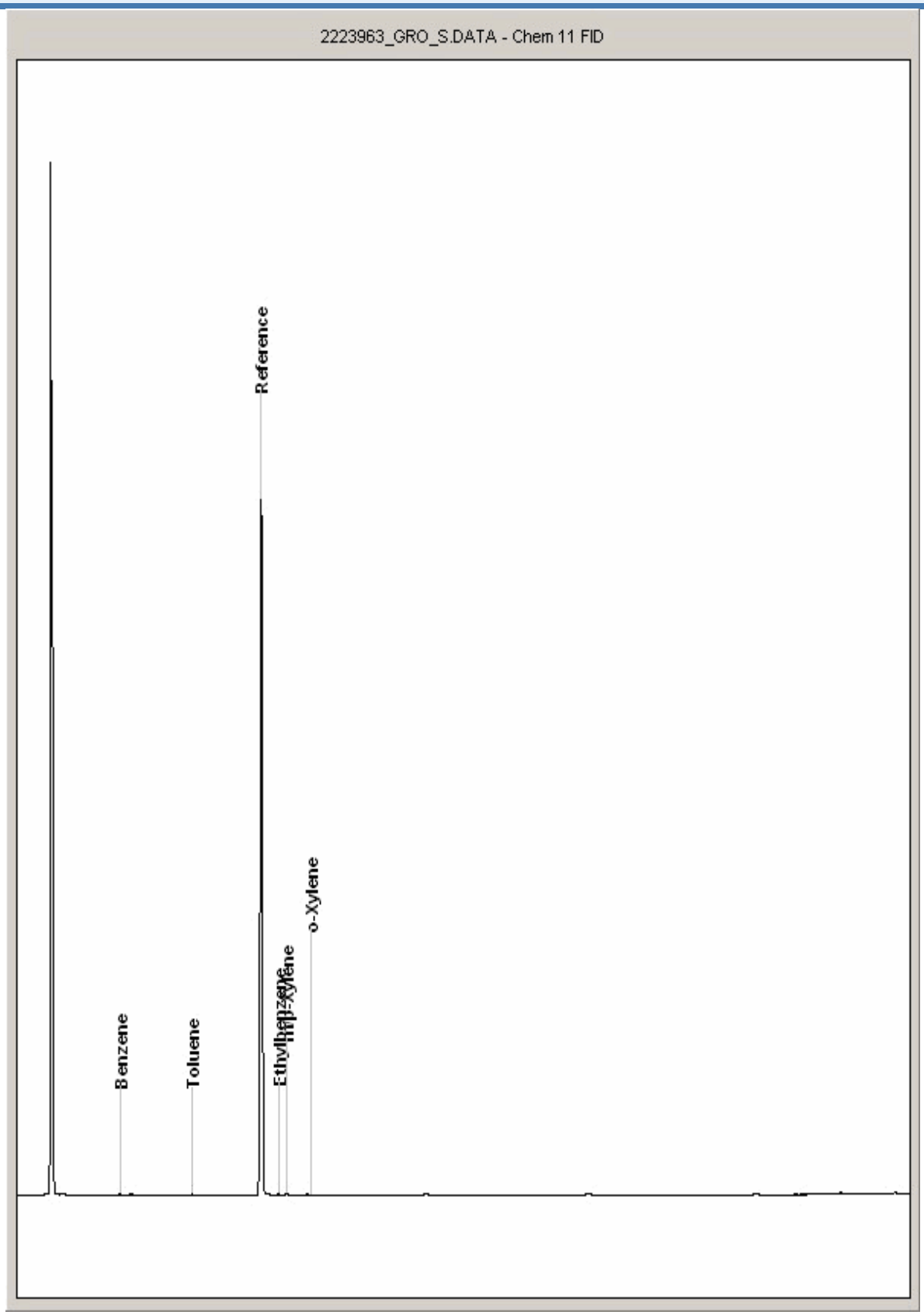


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223963
		Sample ID	SP23 05
		Depth	

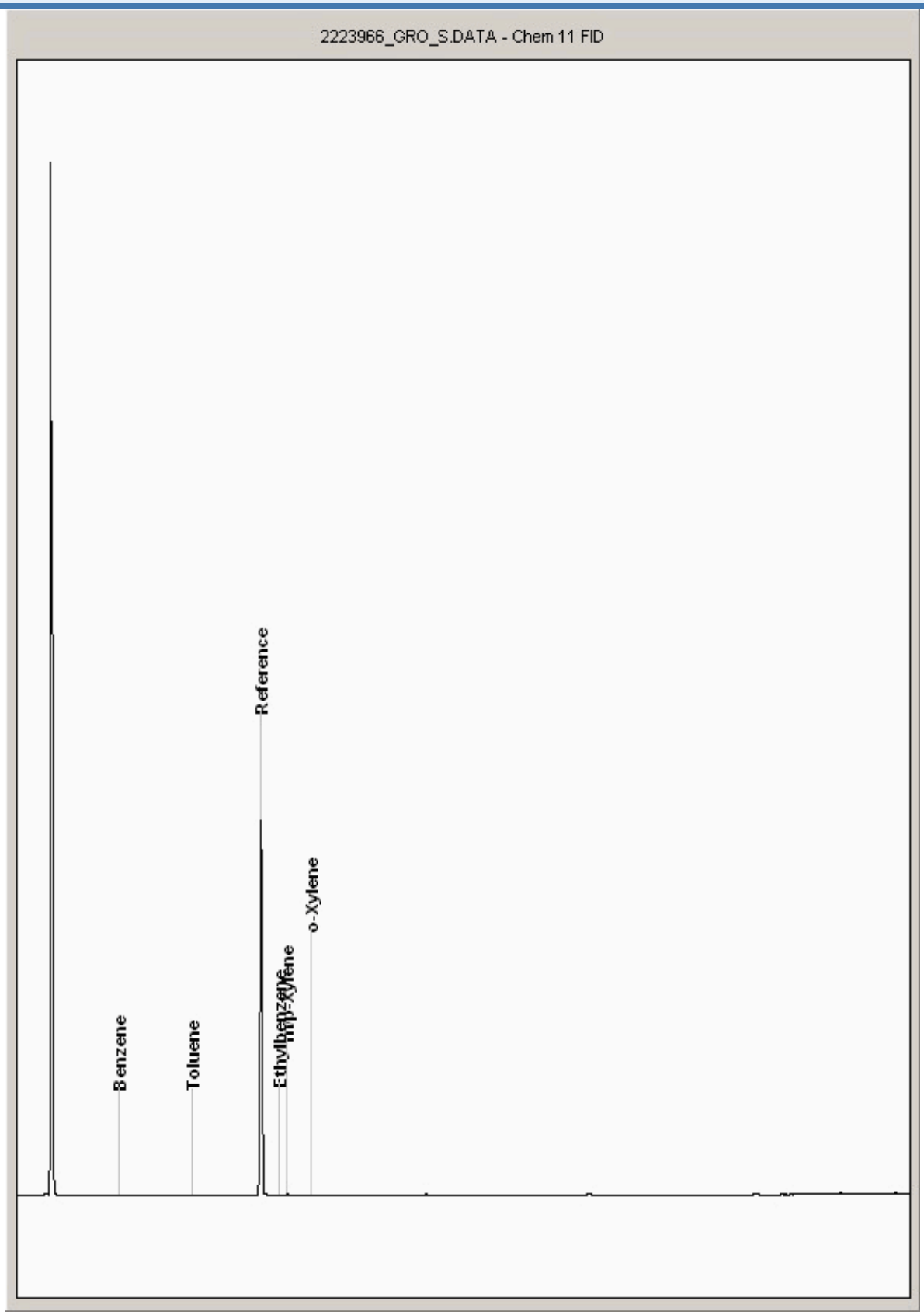


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223966
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		Depth	

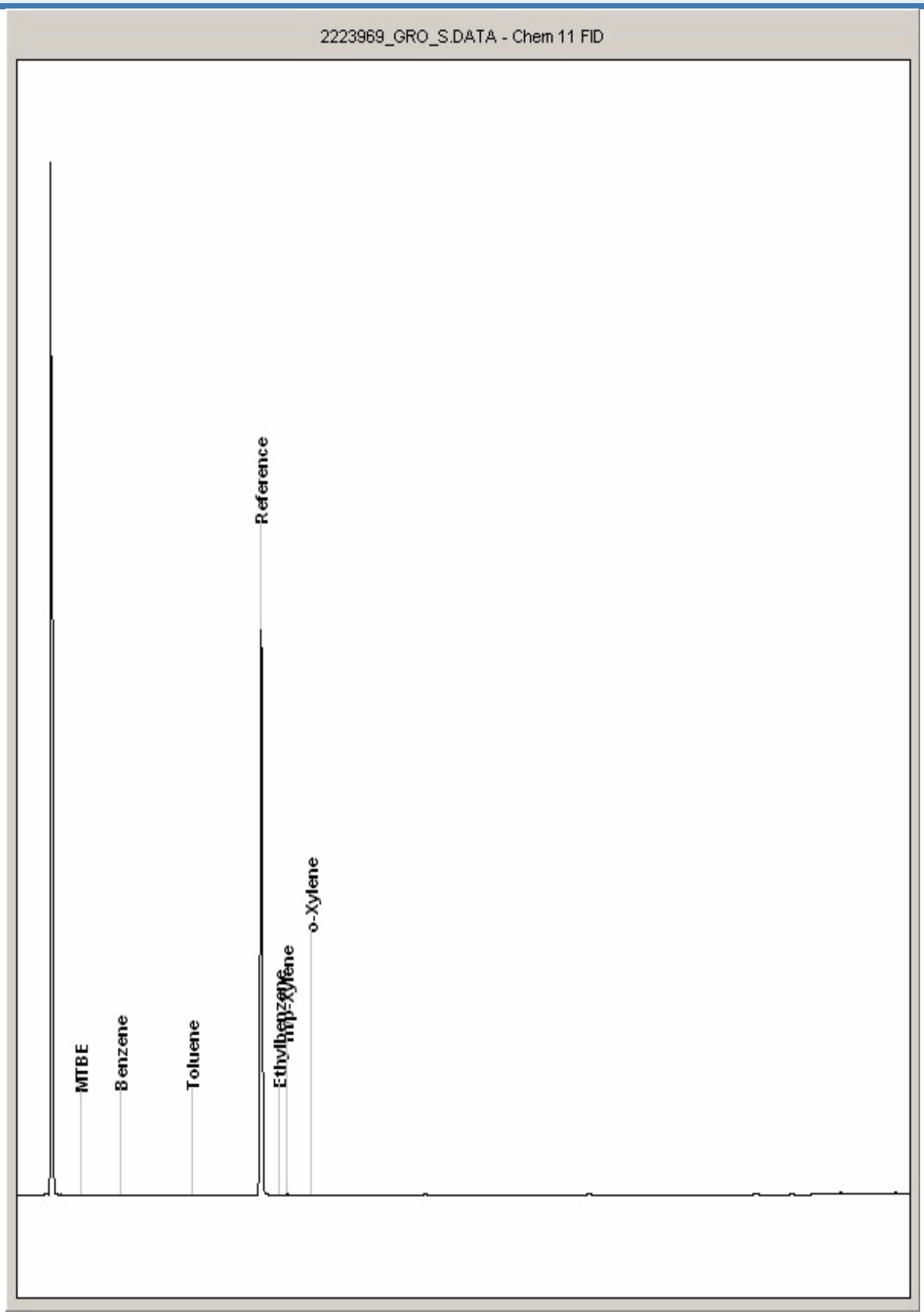


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2223969
		Sample ID	SP23 03
		Depth	

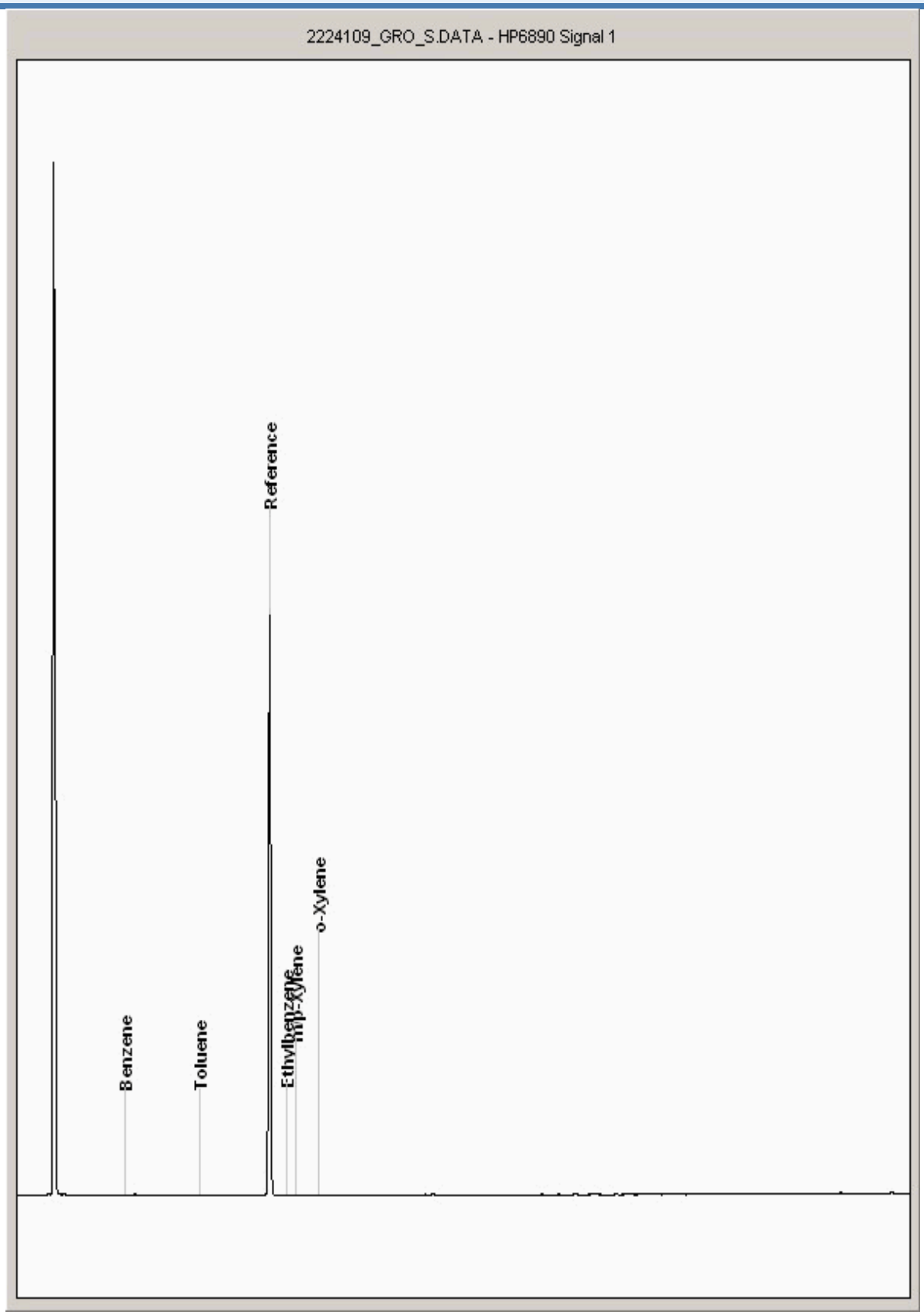


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224109
		Sample ID	SP32 01
		Depth	

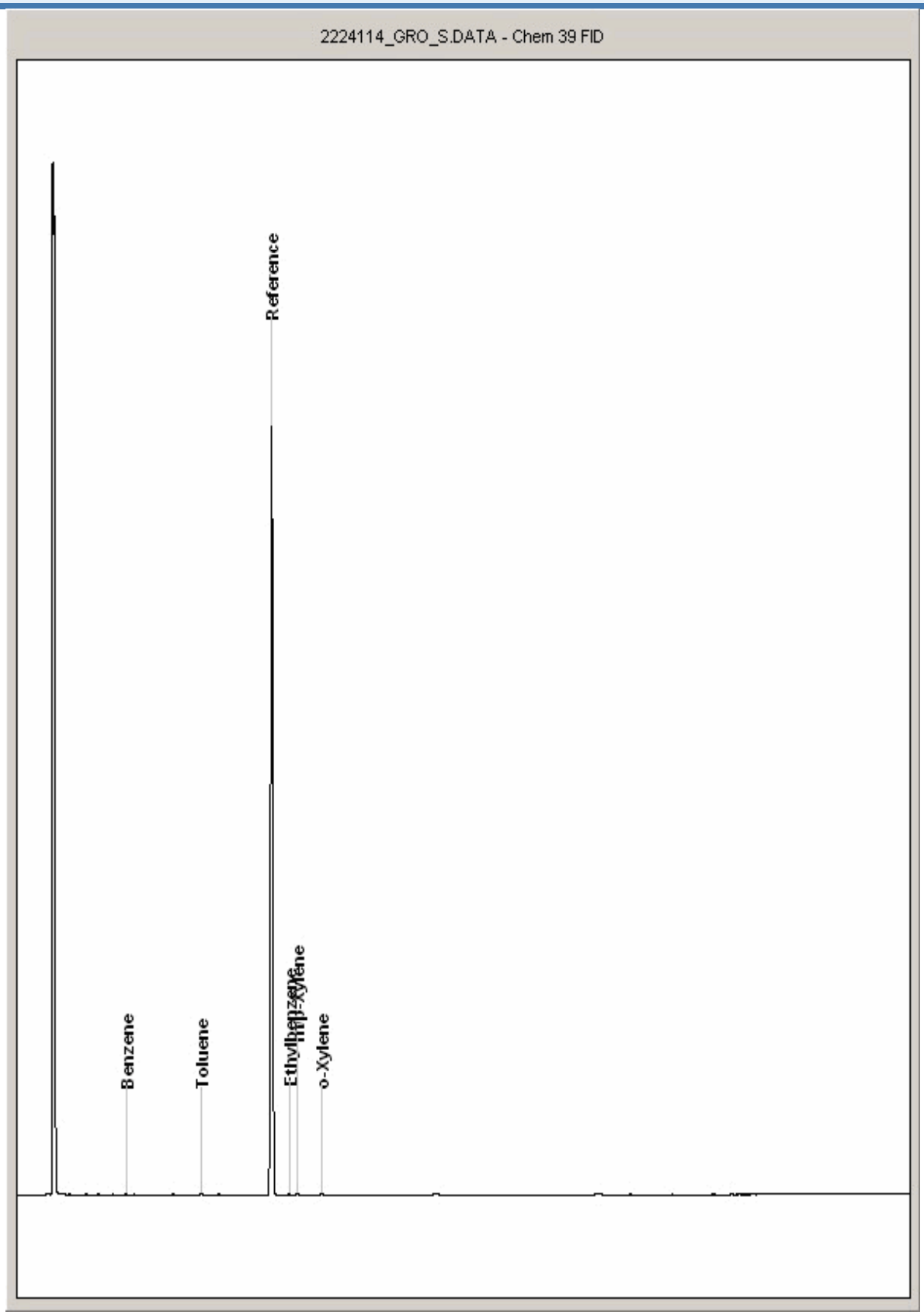


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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224114
		Sample ID	SP25 02
		Depth	

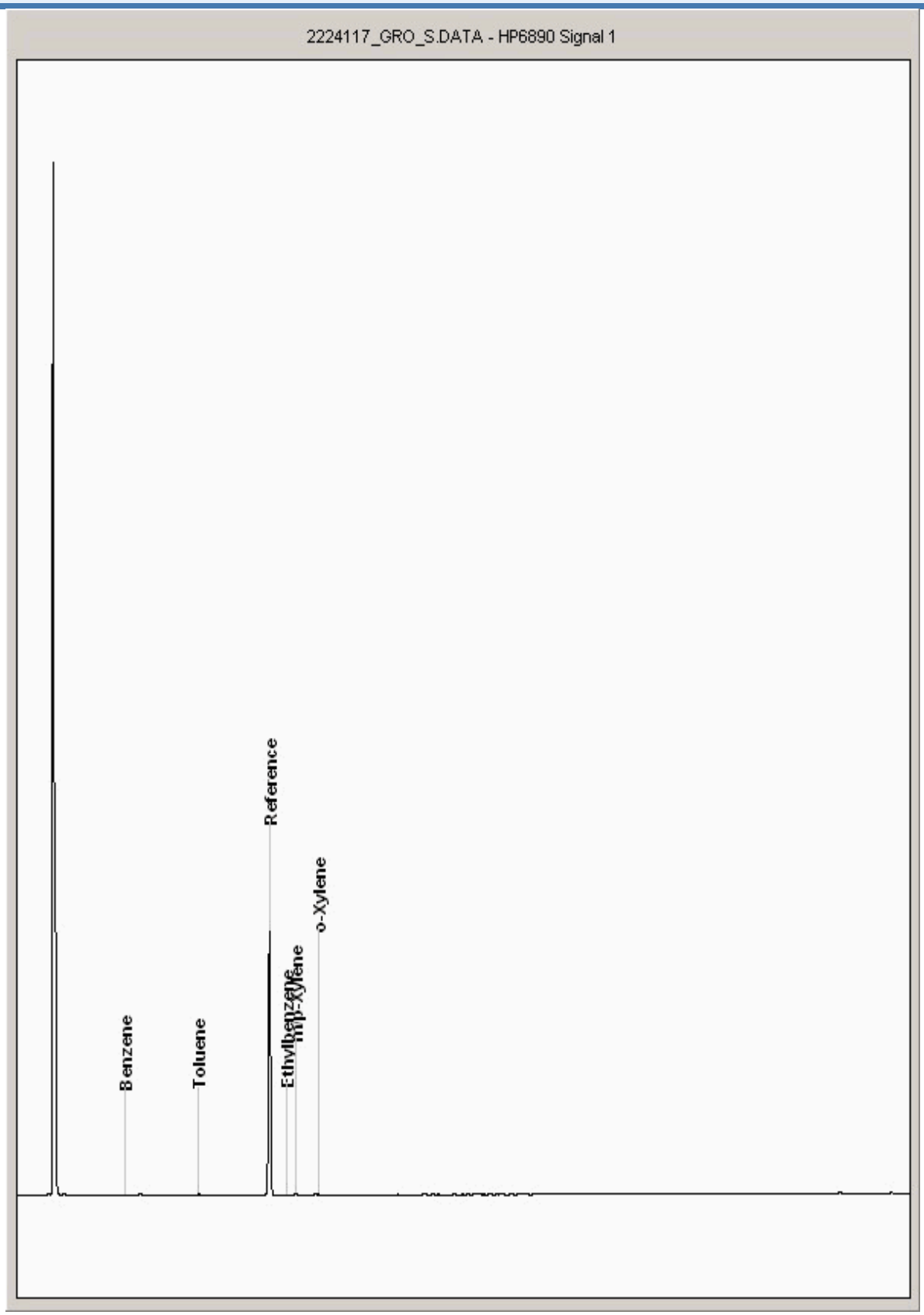


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224117
		Sample ID	SP24 01
		Depth	

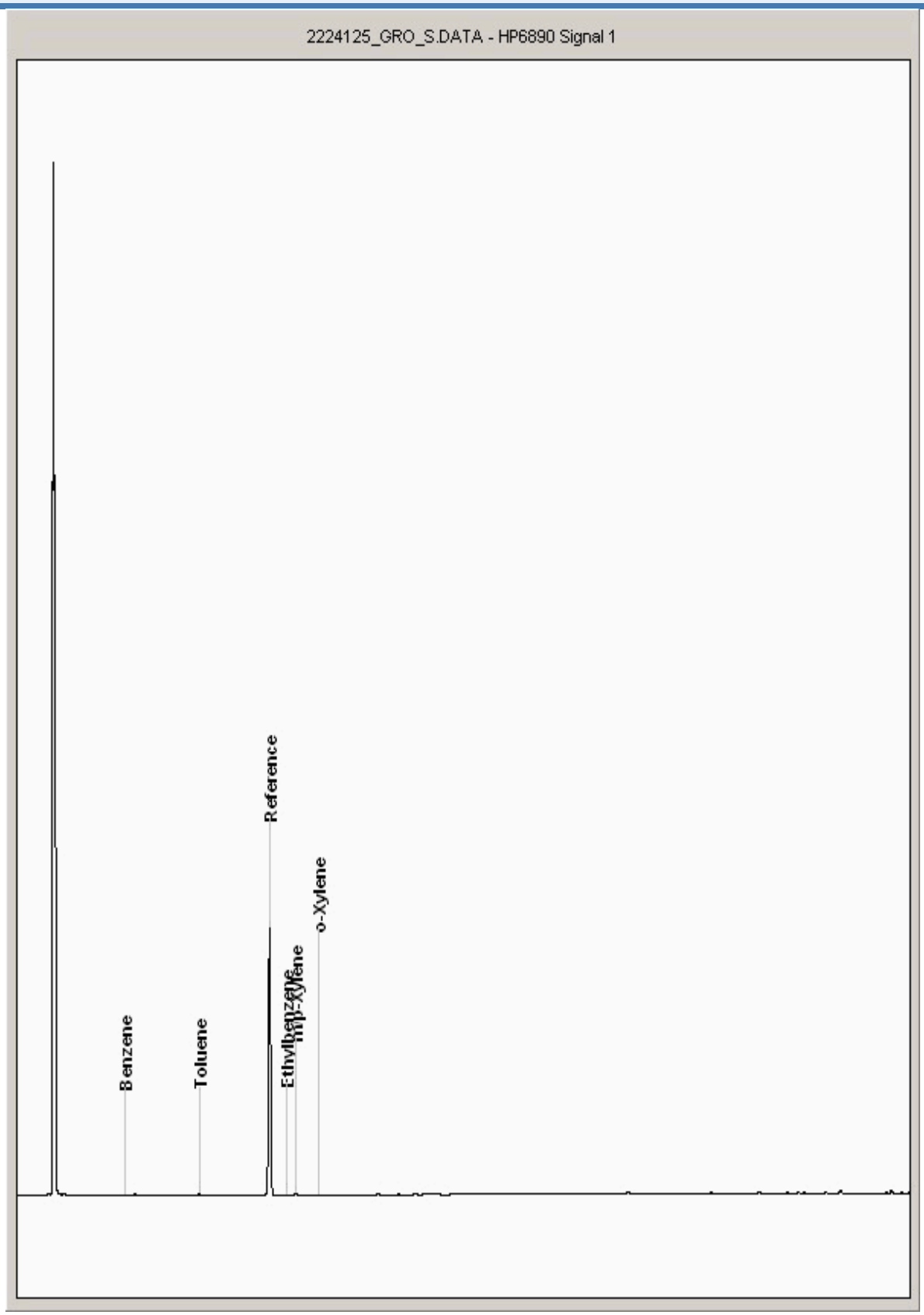


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224125
		Sample ID	SP24 03
		Depth	

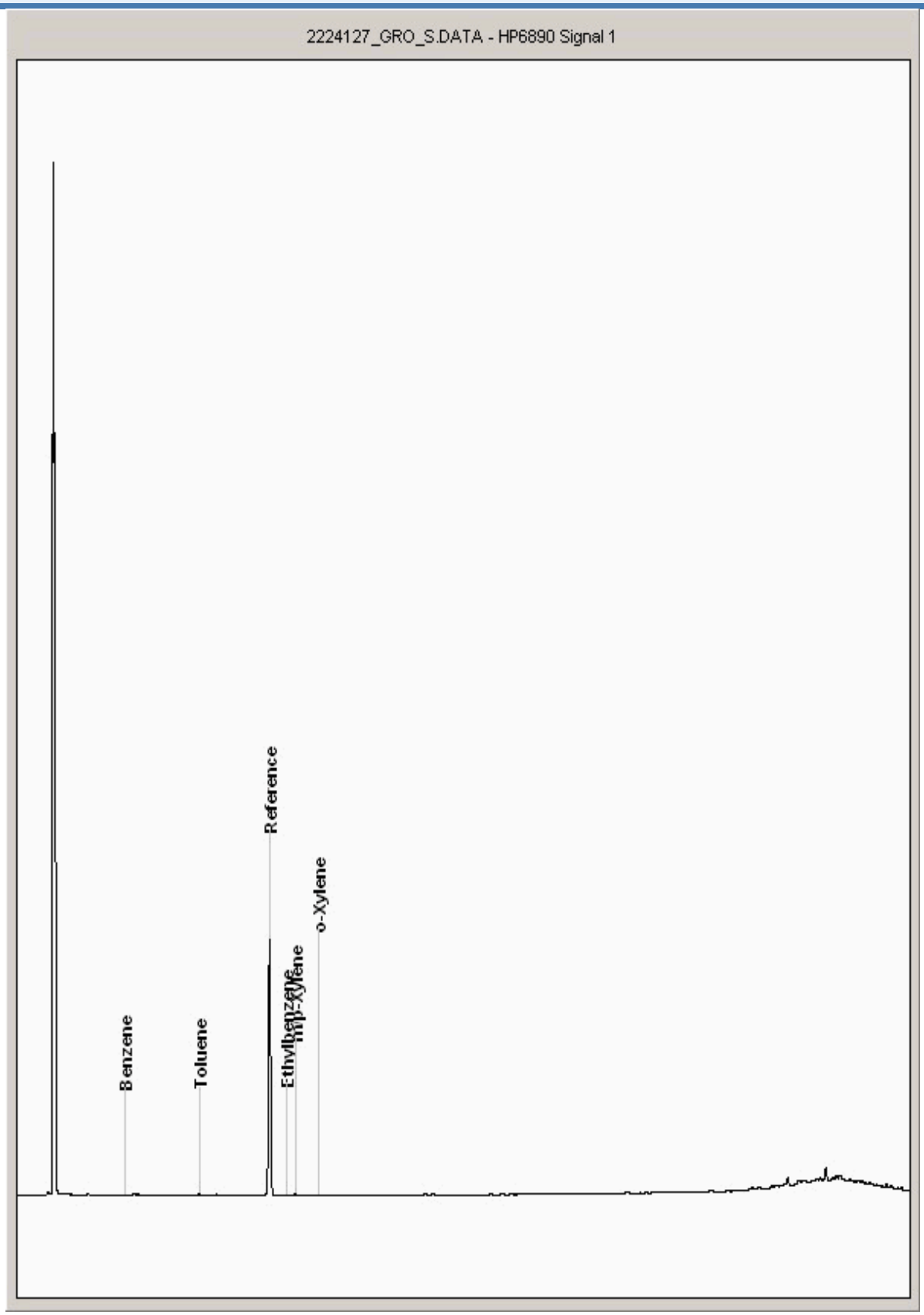


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224127
		Sample ID	SP29 03
		Depth	

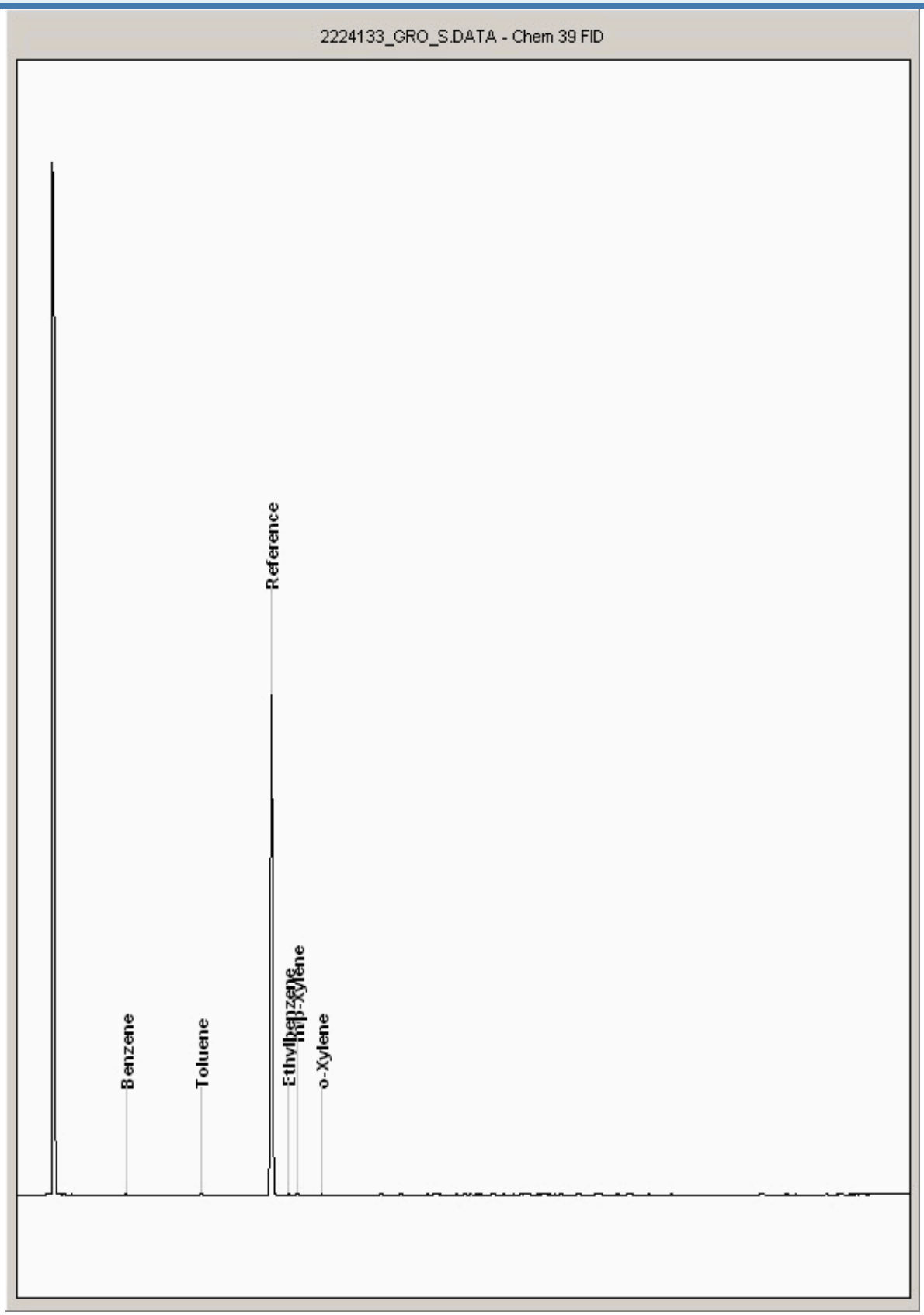


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224133
		Sample ID	SP25 01
		Depth	

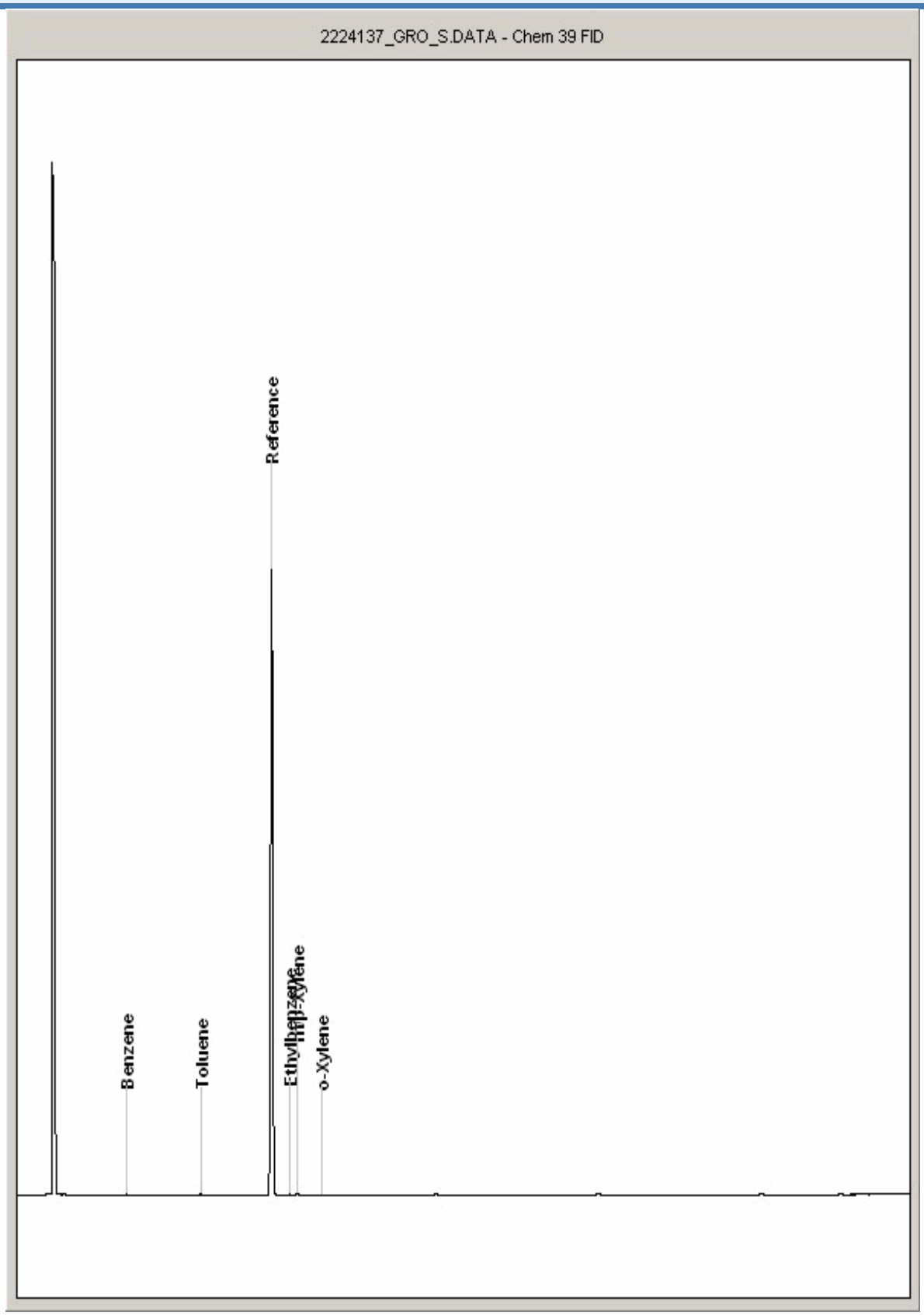


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ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224137
		Sample ID	SP32 02
		Depth	

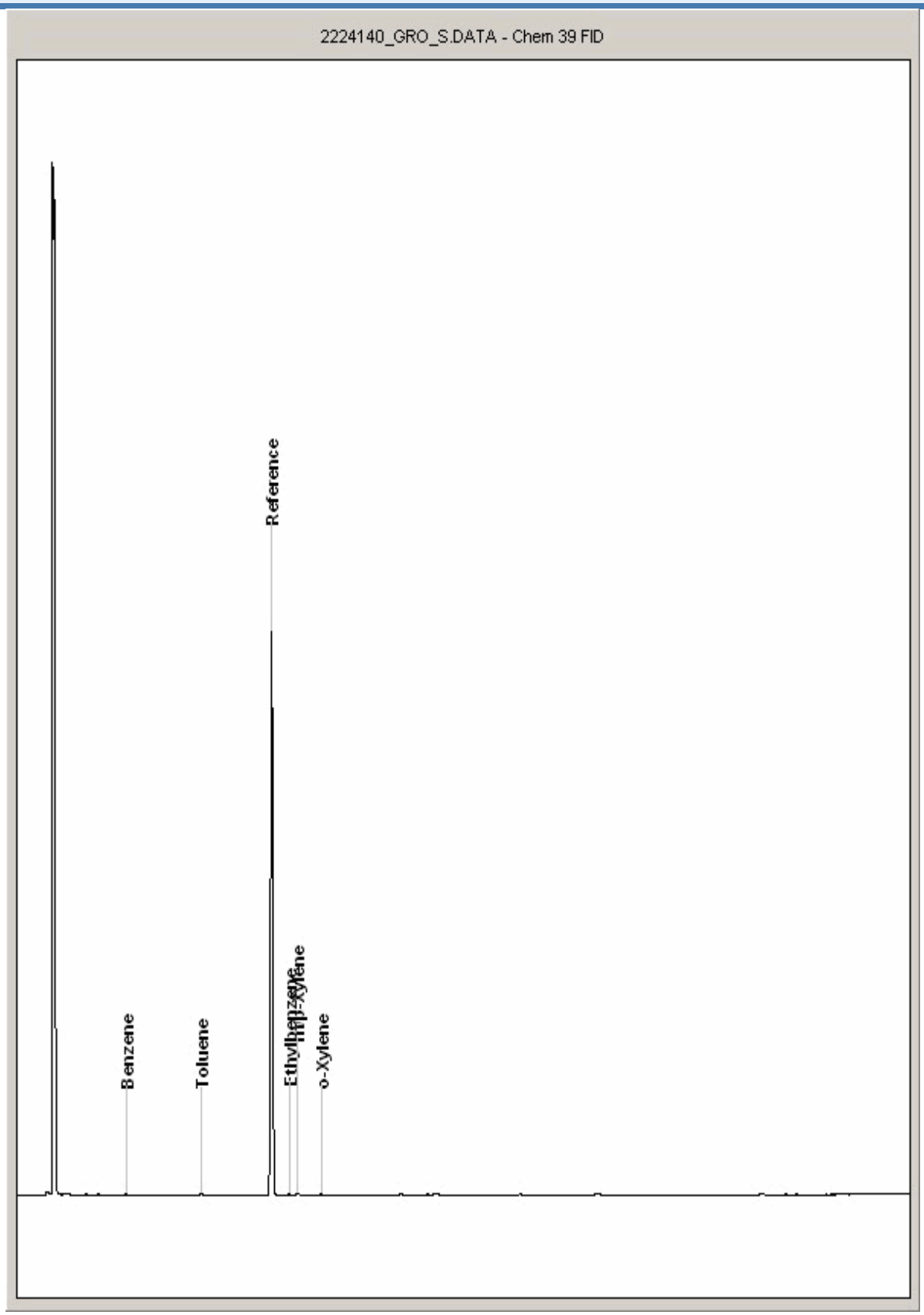


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224140
		Sample ID	SP29 01
		Depth	

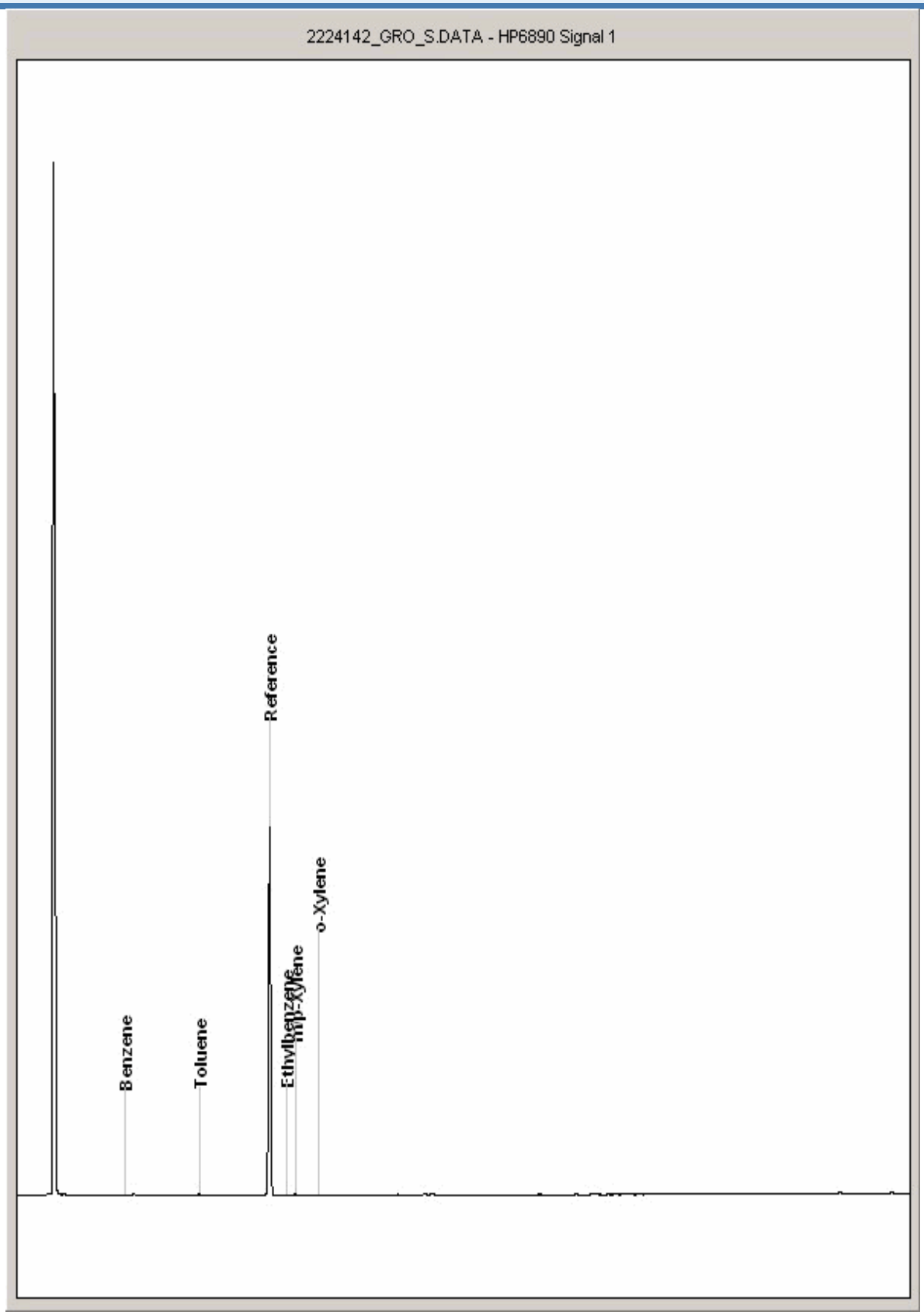


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224142
		Sample ID	SP28 01
		Depth	

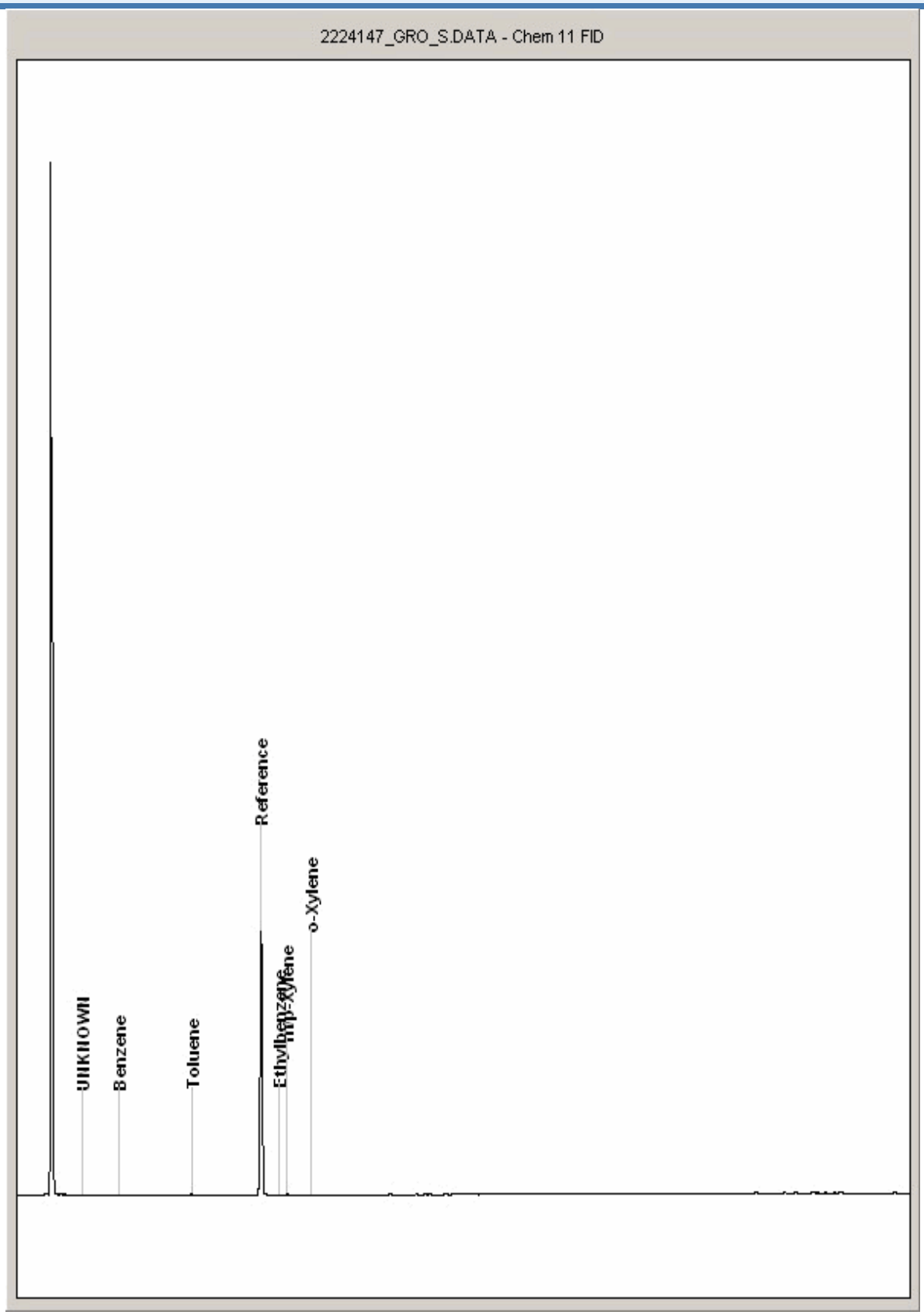


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224147
		Sample ID	SP28 02
		Depth	

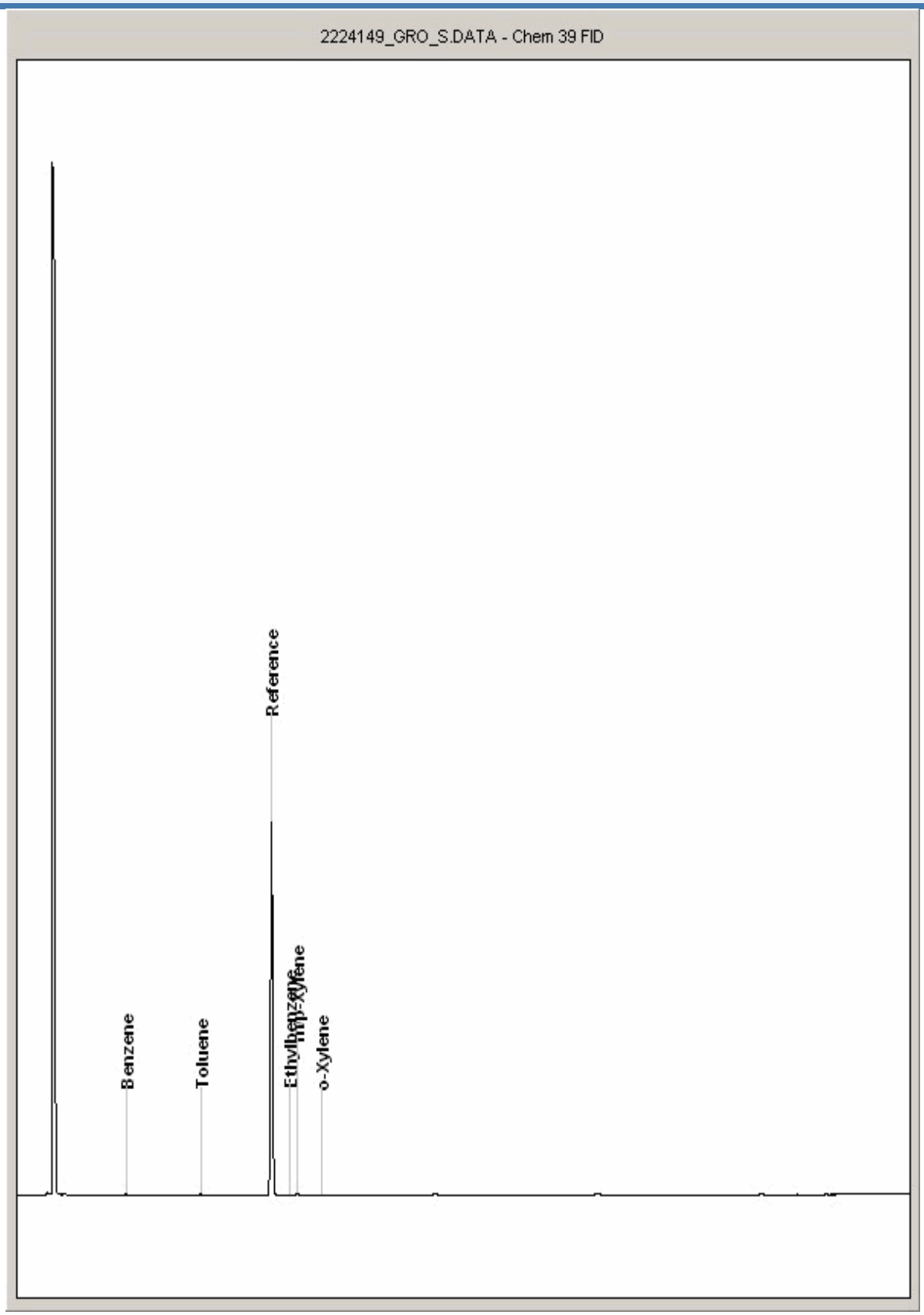


Validated

ALcontrol Laboratories Analytical Services

SDG:	101013-37	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-55	**Attention:**	Alex Mann
Client Ref.:		**Order No.:**	CD0057
Location:	Coed Darcy Urban Village	**Report No:**	100617

Analysis:	GRO by GC-FID (S)	**Sample No**	2224149
		Sample ID	SP29 02
		Depth	



Notification of NDPs (No determination possible)

SDG Number	101013-37	**Location**	Coed Darcy
Client	H_ATKINS_LDC	**Order No.**	CD0057
Client Reference		**Report No.**	61374-0
Attention	Alex Mann	**Date Received**	13/10/2010 10:24:06

Sample No	Customer Sample Ref.	Depth (m)	Test	Comment
2223809	SP26 03		GRO by GC-FID (S)	Sample unsuitable for analysis
2223812	SP26 01		GRO by GC-FID (S)	Sample unsuitable for analysis

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

Last updated 1 April 2010

LIQUID MATRICES EXTRACTION SUMMARY

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

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

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

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

ALcontrol Laboratories

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

Attention: Richard Western

CERTIFICATE OF ANALYSIS

Date:	22 October 2010		
Customer:	H_ATKINS_LDC-73		
Sample Delivery Group (SDG):	101007-17	**Report No.:**	100875
Your Reference:			
Location:			

We received 11 samples on Thursday October 07, 2010 and 10 of these samples were scheduled for analysis which was completed on Friday October 22, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:



Iain Swinton

Business Director - Land, UK & Ireland

mCERTS
THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

UKAS TESTING
1291

GROUP

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Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
2197395	36"			06/10/2010
2197098	ADV1			06/10/2010
2197156	ADV2			06/10/2010
2197173	ADV3			06/10/2010
2197021	ADV4			06/10/2010
2197123	ADV5			06/10/2010
2196977	ADV6			06/10/2010
2196998	ADV7			06/10/2010
2197070	ADV8			06/10/2010
2197471	CBL MANUAL VALVE			06/10/2010
2197415	NSR OUT			06/10/2010

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

Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

LIQUID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2197395			2197471	
			Customer Sample Ref.	36"			CBL MANUAL	
			AGS Ref.					
			Depth (m)					
			Container	1l green glass bottle	1lplastic	Vial	1l green glass bottle	Vial
Ammonium	All	NDPs: 0 Tests: 2			X		X	
Anions by Kone (w)	All	NDPs: 0 Tests: 2			X		X	
BOD True Total	All	NDPs: 0 Tests: 2			X		X	
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 2			X		X	
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 1					X	
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 2	X				X	
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 2	X				X	
GRO by GC-FID (W)	All	NDPs: 0 Tests: 2				X		X
Permanganate Index*	All	NDPs: 0 Tests: 2			X		X	
pH Value	All	NDPs: 0 Tests: 2			X		X	
Phenols by HPLC (W)	All	NDPs: 0 Tests: 1					X	
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 1	X					
Total Suspended Solids	All	NDPs: 0 Tests: 2			X		X	
TPH CWG (W)	All	NDPs: 0 Tests: 2	X				X	
VOC MS (W)	All	NDPs: 0 Tests: 1				X		

Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

SOLID

Results Legend

X — Test

N — No Determination Possible

			Lab Sample No(s)	2196977			2196998			2197021			2197070			2197098			2197123			2197156			2197173		
			Customer Sample Ref.	ADV6			ADV7			ADV4			ADV8			ADV1			ADV5			ADV2			ADV3		
			AGS Ref.																								
			Depth (m)																								
			Container	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 8			X			X			X			X			X			X			X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 8			X			X			X			X			X			X			X			X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
	Cadmium	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
	Chromium	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
	Copper	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
	Lead	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
	Mercury	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
	Nickel	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
	Selenium	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
	Zinc	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
pH	All	NDPs: 0 Tests: 8		X			X			X			X			X			X			X			X		
Sample description	All	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
Total Organic Carbon	All	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 8	X			X			X			X			X			X			X			X			
VOC MS (S)	All	NDPs: 0 Tests: 8			X			X			X			X			X			X			X			X	

Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
2196977	ADV6		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2196998	ADV7		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2197021	ADV4		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2197070	ADV8		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2197098	ADV1		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2197123	ADV5		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2197156	ADV2		Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2197173	ADV3		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

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

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

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

Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Test Completion Dates

Lab Sample No(s)	2196977	2196998	2197021	2197070	2197098	2197123	2197156	2197173	2197395	2197471
Customer Sample Ref.	ADV6	ADV7	ADV4	ADV8	ADV1	ADV5	ADV2	ADV3	36"	CBL MANUAL VALVE
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	LIQUID	LIQUID
Ammonium									08/10/2010	08/10/2010
Anions by Kone (w)									08/10/2010	08/10/2010
Asbestos Containing Material Screen	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010		
BOD True Total									12/10/2010	12/10/2010
Conductivity (at 20 deg.C)									08/10/2010	08/10/2010
Dissolved Metals by ICP-MS										13/10/2010
EPH CWG (Aliphatic) Aqueous GC (W)									11/10/2010	11/10/2010
EPH CWG (Aliphatic) GC (S)	13/10/2010	13/10/2010	13/10/2010	12/10/2010	13/10/2010	13/10/2010	13/10/2010	12/10/2010		
EPH CWG (Aromatic) Aqueous GC (W)									11/10/2010	11/10/2010
EPH CWG (Aromatic) GC (S)	13/10/2010	13/10/2010	13/10/2010	12/10/2010	13/10/2010	13/10/2010	13/10/2010	12/10/2010		
GRO by GC-FID (S)	13/10/2010	13/10/2010	11/10/2010	11/10/2010	13/10/2010	13/10/2010	11/10/2010	13/10/2010		
GRO by GC-FID (W)									08/10/2010	08/10/2010
Metals by iCap-OES (Soil)	13/10/2010	13/10/2010	12/10/2010	13/10/2010	12/10/2010	12/10/2010	12/10/2010	13/10/2010		
Permanganate Index*									22/10/2010	22/10/2010
pH	08/10/2010	12/10/2010	12/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010		
pH Value									11/10/2010	07/10/2010
Phenols by HPLC (W)										08/10/2010
Sample description	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010	08/10/2010		
Semi Volatile Organic Compounds	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010	12/10/2010		
SVOC MS (W) - Aqueous									13/10/2010	
Total Organic Carbon	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010	14/10/2010		
Total Suspended Solids									08/10/2010	08/10/2010
TPH CWG (W)									11/10/2010	11/10/2010
TPH CWG GC (S)	13/10/2010	13/10/2010	13/10/2010	12/10/2010	13/10/2010	13/10/2010	13/10/2010	13/10/2010		
VOC MS (S)	13/10/2010	14/10/2010	13/10/2010	13/10/2010	12/10/2010	13/10/2010	13/10/2010	12/10/2010		
VOC MS (W)									11/10/2010	

ALcontrol Laboratories Analytical Services

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	36"	CBL MANUAL VALVE
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17
			Lab Sample No.(s)	2197395	2197471
			AGS Reference		
Permanganate value, 10 mins	<0.5 mg/l	SUB		2.32	6.97
Permanganate value N/80, 4 hrs	<0.5 mg/l	SUB		2	6.49
Suspended solids, Total	<2 mg/l	TM022		5.5 #	9 #
BOD, unfiltered	<1 mg/l	TM045		2.9 #	2.62 #
Ammoniacal Nitrogen as NH3	<0.2 mg/l	TM099		<0.2 #	3.47 #
Conductivity @ 20 deg.C	<0.014 mS/cm	TM120		0.337 #	0.459 #
Vanadium (diss.filt)	<0.24 µg/l	TM152			1.51 #
Nitrite as NO2	<0.05 mg/l	TM184		<0.05 #	0.061 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		<0.05 #	<0.05 #
Nitrate as NO3	<0.3 mg/l	TM184		0.845 #	0.538 #
pH	<1 pH Units	TM256		8.3 #	7.88 #
Phenols, Total monohydric	<0.015 mg/l	TM259			<0.015 #

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	36"
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	06/10/2010
Date Received	07/10/2010
SDG Ref	101007-17
Lab Sample No.(s)	2197395
AGS Reference	

Component	LOD/Units	Method	
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176	<1
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176	<1
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176	<1
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176	<1
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176	<1
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176	<1
2,4-Dichlorophenol (aq)	<1 µg/l	TM176	<1
2,4-Dimethylphenol (aq)	<1 µg/l	TM176	<1
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176	<1
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176	<1
2-Chloronaphthalene (aq)	<1 µg/l	TM176	<1
2-Chlorophenol (aq)	<1 µg/l	TM176	<1
2-Methylnaphthalene (aq)	<1 µg/l	TM176	<1
2-Methylphenol (aq)	<1 µg/l	TM176	<1
2-Nitroaniline (aq)	<1 µg/l	TM176	<1
2-Nitrophenol (aq)	<1 µg/l	TM176	<1
3-Nitroaniline (aq)	<1 µg/l	TM176	<1
4-Bromophenylphenylether (aq)	<1 µg/l	TM176	<1
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176	<1
4-Chloroaniline (aq)	<1 µg/l	TM176	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176	<1
4-Methylphenol (aq)	<1 µg/l	TM176	<1
4-Nitrophenol (aq)	<1 µg/l	TM176	<1
4-Nitroaniline (aq)	<1 µg/l	TM176	<1
Azobenzene (aq)	<1 µg/l	TM176	<1
Acenaphthylene (aq)	<1 µg/l	TM176	<1
Acenaphthene (aq)	<1 µg/l	TM176	<1
Anthracene (aq)	<1 µg/l	TM176	<1
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176	<1
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176	<1
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176	<2
Benzo(a)anthracene (aq)	<1 µg/l	TM176	<1
Butylbenzyl phthalate (aq)	<1 µg/l	TM176	<1
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176	<1
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176	<1
Benzo(a)pyrene (aq)	<1 µg/l	TM176	<1
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176	<1
Carbazole (aq)	<1 µg/l	TM176	<1
Chrysene (aq)	<1 µg/l	TM176	<1

ALcontrol Laboratories Analytical Services

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	36"
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	06/10/2010
Date Received	07/10/2010
SDG Ref	101007-17
Lab Sample No.(s)	2197395
AGS Reference	

Component	LOD/Units	Method	
Dibenzofuran (aq)	<1 µg/l	TM176	<1
n-Dibutyl phthalate (aq)	<1 µg/l	TM176	<1
Diethyl phthalate (aq)	<1 µg/l	TM176	<1
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176	<1
Dimethyl phthalate (aq)	<1 µg/l	TM176	<1
n-Dioctyl phthalate (aq)	<5 µg/l	TM176	<5
Fluoranthene (aq)	<1 µg/l	TM176	<1
Fluorene (aq)	<1 µg/l	TM176	<1
Hexachlorobenzene (aq)	<1 µg/l	TM176	<1
Hexachlorobutadiene (aq)	<1 µg/l	TM176	<1
Pentachlorophenol (aq)	<1 µg/l	TM176	<1
Phenol (aq)	<1 µg/l	TM176	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176	<1
Hexachloroethane (aq)	<1 µg/l	TM176	<1
Nitrobenzene (aq)	<1 µg/l	TM176	<1
Naphthalene (aq)	<1 µg/l	TM176	<1
Isophorone (aq)	<1 µg/l	TM176	<1
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176	<1
Phenanthrene (aq)	<1 µg/l	TM176	<1
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176	<1
Pyrene (aq)	<1 µg/l	TM176	<1

ALcontrol Laboratories Analytical Services

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	36"	CBL MANUAL VALVE
Depth (m)		
Sample Type	Water(GW/SW)	Water(GW/SW)
Date Sampled	06/10/2010	06/10/2010
Date Received	07/10/2010	07/10/2010
SDG Ref	101007-17	101007-17
Lab Sample No.(s)	2197395	2197471
AGS Reference		

Component	LOD/Units	Method		
Total Aliphatics >C5-C35 (aq)	<10 µg/l	TM174	<10	38
Total Aromatics >C6-C35 (aq)	<10 µg/l	TM174	<10	14
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174	<10	52
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174	<10	<10
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174	<10	<10
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174	<10	11
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174	<10	<10
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174	<10	<10
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174	<10	<10
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174	<10	11
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174	<10	<10
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<10 µg/l	TM174	<10	11
GRO Surrogate % recovery**	%	TM245	103	99
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245	<3 #	<3 #
Benzene	<7 µg/l	TM245	<7 #	<7 #
Toluene	<4 µg/l	TM245	<4 #	<4 #
Ethylbenzene	<5 µg/l	TM245	<5 #	<5 #
m,p-Xylene	<8 µg/l	TM245	<8 #	<8 #
o-Xylene	<3 µg/l	TM245	<3 #	<3 #
Aliphatics >C5-C6	<10 µg/l	TM245	<10	<10
Aliphatics >C6-C8	<10 µg/l	TM245	<10	<10
Aliphatics >C8-C10	<10 µg/l	TM245	<10	<10
Aliphatics >C10-C12	<10 µg/l	TM245	<10	14
Total Aliphatics >C5-C12	<10 µg/l	TM245	<10	27
Aromatics >EC5-EC7	<10 µg/l	TM245	<10	<10
Aromatics >EC7-EC8	<10 µg/l	TM245	<10	<10
Aromatics >EC8-EC10	<10 µg/l	TM245	<10	<10
Aromatics >EC10-EC12	<10 µg/l	TM245	<10	<10
Total Aromatics >EC5-EC12	<10 µg/l	TM245	<10	14
m,p,o-Xylene	<10 µg/l	TM245	<10	<10
BTEX, Total	<10 µg/l	TM245	<10	<10
GRO >C5-C12	<50 µg/l	TM245	<50 #	<50 #

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	36"
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	06/10/2010
Date Received	07/10/2010
SDG Ref	101007-17
Lab Sample No.(s)	2197395
AGS Reference	

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM208	108
Toluene-d8**	%	TM208	99.4
4-Bromofluorobenzene**	%	TM208	98.9
Dichlorodifluoromethane	<7 µg/l	TM208	<7 #
Chloromethane	<9 µg/l	TM208	<9 #
Vinyl chloride	<1.2 µg/l	TM208	<1.2 #
Bromomethane	<2 µg/l	TM208	<2 #
Chloroethane	<2.5 µg/l	TM208	<2.5 #
Trichlorofluoromethane	<1.3 µg/l	TM208	<1.3 #
1,1-Dichloroethene	<1.2 µg/l	TM208	<1.2 #
Carbon disulphide	<1.3 µg/l	TM208	<1.3 #
Dichloromethane	<3.7 µg/l	TM208	<3.7 #
Methyl tertiary butyl ether (MTBE)	<1.6 µg/l	TM208	<1.6 #
trans-1,2-Dichloroethene	<1.9 µg/l	TM208	<1.9 #
1,1-Dichloroethane	<1.2 µg/l	TM208	<1.2 #
cis-1,2-Dichloroethene	<2.3 µg/l	TM208	<2.3 #
2,2-Dichloropropane	<3.8 µg/l	TM208	<3.8 #
Bromochloromethane	<1.9 µg/l	TM208	<1.9 #
Chloroform	<1.8 µg/l	TM208	<1.8 #
1,1,1-Trichloroethane	<1.3 µg/l	TM208	<1.3 #
1,1-Dichloropropene	<1.3 µg/l	TM208	<1.3 #
Carbontetrachloride	<1.4 µg/l	TM208	<1.4 #
1,2-Dichloroethane	<3.3 µg/l	TM208	17.4
Benzene	<1.3 µg/l	TM208	<1.3 #
Trichloroethene	<2.5 µg/l	TM208	<2.5 #
1,2-Dichloropropane	<3 µg/l	TM208	<3 #
Dibromomethane	<2.7 µg/l	TM208	<2.7 #
Bromodichloromethane	<0.9 µg/l	TM208	<0.9 #
cis-1,3-Dichloropropene	<1.9 µg/l	TM208	<1.9 #
Toluene	<1.4 µg/l	TM208	<1.4 #
trans-1,3-Dichloropropene	<3.5 µg/l	TM208	<3.5 #
1,1,2-Trichloroethane	<2.2 µg/l	TM208	<2.2 #
1,3-Dichloropropane	<2.2 µg/l	TM208	<2.2 #
Tetrachloroethene	<1.5 µg/l	TM208	<1.5 #
Dibromochloromethane	<1.7 µg/l	TM208	<1.7 #
1,2-Dibromoethane	<2.3 µg/l	TM208	<2.3 #
Chlorobenzene	<3.5 µg/l	TM208	<3.5 #
1,1,1,2-Tetrachloroethane	<1.3 µg/l	TM208	<1.3 #
Ethylbenzene	<2.5 µg/l	TM208	<2.5 #

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	36"
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	06/10/2010
Date Received	07/10/2010
SDG Ref	101007-17
Lab Sample No.(s)	2197395
AGS Reference	

Component	LOD/Units	Method	
m,p-Xylene	<2.5 µg/l	TM208	<2.5 #
o-Xylene	<1.7 µg/l	TM208	<1.7 #
Styrene	<1.2 µg/l	TM208	<1.2 #
Bromoform	<3 µg/l	TM208	<3 #
Isopropylbenzene	<1.4 µg/l	TM208	<1.4 #
1,1,2,2-Tetrachloroethane	<5.2 µg/l	TM208	<5.2
1,2,3-Trichloropropane	<7.8 µg/l	TM208	<7.8 #
Bromobenzene	<2 µg/l	TM208	<2 #
Propylbenzene	<2.6 µg/l	TM208	<2.6 #
2-Chlorotoluene	<1.9 µg/l	TM208	<1.9 #
1,3,5-Trimethylbenzene	<1.8 µg/l	TM208	<1.8 #
4-Chlorotoluene	<1.9 µg/l	TM208	<1.9 #
tert-Butylbenzene	<2 µg/l	TM208	<2 #
1,2,4-Trimethylbenzene	<1.7 µg/l	TM208	<1.7 #
sec-Butylbenzene	<1.7 µg/l	TM208	<1.7 #
4-iso-Propyltoluene	<2.6 µg/l	TM208	<2.6 #
1,3-Dichlorobenzene	<2.2 µg/l	TM208	<2.2 #
1,4-Dichlorobenzene	<2.7 µg/l	TM208	<2.7 #
n-Butylbenzene	<2 µg/l	TM208	<2 #
1,2-Dichlorobenzene	<3.7 µg/l	TM208	<3.7
1,2-Dibromo-3-chloropropane	<9.8 µg/l	TM208	<9.8
1,2,4-Trichlorobenzene	<2.3 µg/l	TM208	<2.3 #
Hexachlorobutadiene	<2.5 µg/l	TM208	<2.5 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208	<1 #
Naphthalene	<3.5 µg/l	TM208	<3.5 #
1,2,3-Trichlorobenzene	<3.1 µg/l	TM208	<3.1 #
1,3,5-Trichlorobenzene	<10 µg/l	TM208	<10

ALcontrol Laboratories Analytical Services

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			ADV1		Soil/Solid	06/10/2010	07/10/2010	101007-17	2197098	
			ADV2		Soil/Solid	06/10/2010	07/10/2010	101007-17	2197156	
			ADV3		Soil/Solid	06/10/2010	07/10/2010	101007-17	2197173	
			ADV4		Soil/Solid	06/10/2010	07/10/2010	101007-17	2197021	
			ADV5		Soil/Solid	06/10/2010	07/10/2010	101007-17	2197123	
			ADV6		Soil/Solid	06/10/2010	07/10/2010	101007-17	2196977	
Asbestos Containing Material Screen	-	TM001	No ACM Detected							
Organic Carbon, Total	<0.2 %	TM132	1.06 #							
			2.04 #							
			1.66 #							
			1.28 #							
			1.06 #							
			2.18 #							
pH	1 pH Units	TM133	8.53 M							
			8.66 M							
			7.99 M							
			9.12 M							
			8.82 M							
			8.49 M							
Arsenic	<0.6 mg/kg	TM181	8.54 M							
			24.3 M							
			16.1 M							
			11.1 M							
			8.31 M							
			20.6 M							
Cadmium	<0.02 mg/kg	TM181	1.54 M							
			0.682 M							
			0.744 M							
			0.504 M							
			0.472 M							
			0.628 M							
Chromium	<0.9 mg/kg	TM181	21.7 M							
			20 M							
			16 M							
			20 M							
			16.4 M							
			16.5 M							
Copper	<1.4 mg/kg	TM181	28.3 M							
			37.1 M							
			43.8 M							
			20.3 M							
			24.4 M							
			74.8 M							
Lead	<0.7 mg/kg	TM181	40.2 M							
			60.2 M							
			33.8 M							
			20.1 M							
			21.3 M							
			70.9 M							
Mercury	<0.14 mg/kg	TM181	0.333 M							
			0.49 M							
			0.427 M							
			0.452 M							
			0.528 M							
			0.444 M							
Nickel	<0.2 mg/kg	TM181	47.2 M							
			29.9 M							
			22.9 M							
			25 M							
			16.9 M							
			21.5 M							
Selenium	<1 mg/kg	TM181	1.74 #							
			<1 #							
			<1 #							
			<1 #							
			<1 #							
			<1 #							
Zinc	<1.9 mg/kg	TM181	143 M							
			183 M							
			125 M							
			81.2 M							
			87.7 M							
			175 M							

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref. / Depth (m) / Sample Type / Date Sampled / Date Received / SDG Ref / Lab Sample No.(s) / AGS Reference					
			ADV1	ADV2	ADV3	ADV4	ADV5	ADV6
			Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010
			07/10/2010	07/10/2010	07/10/2010	07/10/2010	07/10/2010	07/10/2010
			101007-17	101007-17	101007-17	101007-17	101007-17	101007-17
			2197098	2197156	2197173	2197021	2197123	2196977
Phenol	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
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

ALcontrol Laboratories Analytical Services

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref. / Depth (m) / Sample Type / Date Sampled / Date Received / SDG Ref / Lab Sample No.(s) / AGS Reference					
			ADV1	ADV2	ADV3	ADV4	ADV5	ADV6
			Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010
			07/10/2010	07/10/2010	07/10/2010	07/10/2010	07/10/2010	07/10/2010
			101007-17	101007-17	101007-17	101007-17	101007-17	101007-17
			2197098	2197156	2197173	2197021	2197123	2196977
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	208	<100	<100	112	374
Benzo(b)fluoranthene	<100 µg/kg	TM157	<100	213	<100	<100	<100	512
Benzo(k)fluoranthene	<100 µg/kg	TM157	<100	187	<100	<100	<100	373
Benzo(a)pyrene	<100 µg/kg	TM157	<100	244	<100	<100	126	502
Benzo(g,h,i)perylene	<100 µg/kg	TM157	<100	129	<100	<100	<100	325
Chrysene	<100 µg/kg	TM157	<100	251	<100	<100	148	526
Fluoranthene	<100 µg/kg	TM157	<100	333	<100	<100	196	610
Fluorene	<100 µg/kg	TM157	<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157	<100	125	<100	<100	<100	287
Phenanthrene	<100 µg/kg	TM157	<100	181	<100	<100	114	415
Pyrene	<100 µg/kg	TM157	<100	294	<100	<100	180	514
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:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV1	ADV2	ADV3	ADV4	ADV5	ADV6
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010	07/10/2010	07/10/2010	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17	101007-17	101007-17	101007-17	101007-17
			Lab Sample No.(s)	2197098	2197156	2197173	2197021	2197123	2196977
			AGS Reference						
Aliphatics >C12-C16	<100 µg/kg	TM173		5860	6740	3010	14000	5730	4790
Aliphatics >C16-C21	<100 µg/kg	TM173		2270	2880	2120	4250	4380	3950
Aliphatics >C21-C35	<100 µg/kg	TM173		4090	6700	5570	8100	12000	21600
Aliphatics >C35-C44	<100 µg/kg	TM173		2950	2580	2180	2090	5920	23200
Aromatics >EC12-EC16	<100 µg/kg	TM173		3520	5410	1300	4170	3260	3290
Aromatics >EC16-EC21	<100 µg/kg	TM173		4160	13500	1670	4720	6440	5580
Aromatics >EC21-EC35	<100 µg/kg	TM173		19400	45100	8120	14000	29800	59400
Aromatics >EC35-EC44	<100 µg/kg	TM173		21200	23800	4270	10600	24400	77200
Aromatics >EC40-EC44	<100 µg/kg	TM173		10600	9980	1510	5060	11500	39100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		15200	18900	12900	28500	28000	53500
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		48300	87800	15400	33500	63900	145000
Total Aliphatics >C5-35	<100 µg/kg	TM173		12200	16300	10700	27100	22100	30400
Total Aliphatics >C5-C44	<100 µg/kg	TM173		15200	18900	12900	29200	28000	53600
Total Aromatics >C5-35	<100 µg/kg	TM173		27100	64000	11100	23400	39500	68300
Total Aromatics >C6-C44	<100 µg/kg	TM173		48300	87800	15400	34000	63900	145000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		39300	80300	21900	50500	61600	98700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		63500	107000	28300	63200	91900	199000
GRO Surrogate % recovery**	%	TM089		111	73	72	75	90	73
GRO >C5-C12	<44 µg/kg	TM089		<44	<44	57.3	1250	49.3	121
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	3.51 M	2.3 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	9.36 M	3.45 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	16.1	<10	13.4
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	82.8	<10	17.9
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	10.5	650	14.6	41.4
Total Aliphatics >C5-C12	<10 µg/kg	TM089		<10	<10	28.1	752	30.2	78.4
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	16.4	59.8	<10	13.4
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	434	10.1	28
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		<10	<10	29.3	496	19	42.6
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	12.9	<10	<10	<10

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV1	ADV2	ADV3	ADV4	ADV5	ADV6
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010	07/10/2010	07/10/2010	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17	101007-17	101007-17	101007-17	101007-17
			Lab Sample No.(s)	2197098	2197156	2197173	2197021	2197123	2196977
			AGS Reference						
Dibromofluoromethane**	%	TM116		90.1	101	61.3	95.6	90	34.8
Toluene-d8**	%	TM116		94.6	98	97.7	98.4	98.7	93.2
4-Bromofluorobenzene**	%	TM116		139	121	127	117	123	143
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	16.6 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		9.32 M	<5 M	<5 M	<5 M	6.7 M	11.6 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Chorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		23.9 M	7.31 M	11.1 M	<4 M	8.34 M	21.2 M

ALcontrol Laboratories Analytical Services

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref. / Depth (m) / Sample Type / Date Sampled / Date Received / SDG Ref / Lab Sample No.(s) / AGS Reference					
			ADV1	ADV2	ADV3	ADV4	ADV5	ADV6
			Soil/Solid 06/10/2010 07/10/2010 101007-17 2197098	Soil/Solid 06/10/2010 07/10/2010 101007-17 2197156	Soil/Solid 06/10/2010 07/10/2010 101007-17 2197173	Soil/Solid 06/10/2010 07/10/2010 101007-17 2197021	Soil/Solid 06/10/2010 07/10/2010 101007-17 2197123	Soil/Solid 06/10/2010 07/10/2010 101007-17 2196977
p/m-Xylene	<14 µg/kg	TM116	<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116	23.7 M	<10 M	<10 M	<10 M	<10 M	27.7 M
Bromoform	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116	<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116	<17 M	<17 M	<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116	<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116	<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116	<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116	<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116	<9 #	<9 #	<9 #	<9 #	<9 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116	<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116	<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116	<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116	<15	<15	<15	<15	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116	<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116	<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116	<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116	<6 M	<6 M	<6 M	<6 M	<6 M	<6 M

ALcontrol Laboratories Analytical Services

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV7	ADV8
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17
			Lab Sample No.(s)	2196998	2197070
			AGS Reference		
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected
Organic Carbon, Total	<0.2 %	TM132		1.25 #	1.29 #
pH	1 pH Units	TM133		9.15 M	8.51 M
Arsenic	<0.6 mg/kg	TM181		8.51 M	9.78 M
Cadmium	<0.02 mg/kg	TM181		0.531 M	0.478 M
Chromium	<0.9 mg/kg	TM181		16 M	46.1 M
Copper	<1.4 mg/kg	TM181		23.1 M	26.7 M
Lead	<0.7 mg/kg	TM181		38.7 M	30.8 M
Mercury	<0.14 mg/kg	TM181		0.46 M	0.463 M
Nickel	<0.2 mg/kg	TM181		21.4 M	19.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #
Zinc	<1.9 mg/kg	TM181		122 M	108 M

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV7	ADV8
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17
			Lab Sample No.(s)	2196998	2197070
			AGS Reference		
Phenol	<100 µg/kg	TM157		<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	182
Carbazole	<100 µg/kg	TM157		<100	221
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV7	ADV8
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17
			Lab Sample No.(s)	2196998	2197070
			AGS Reference		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100
Acenaphthylene	<100 µg/kg	TM157		189	616
Acenaphthene	<100 µg/kg	TM157		<100	303
Anthracene	<100 µg/kg	TM157		427	863
Benzo(a)anthracene	<100 µg/kg	TM157		2600	5380
Benzo(b)fluoranthene	<100 µg/kg	TM157		2050	5410
Benzo(k)fluoranthene	<100 µg/kg	TM157		1900	4590
Benzo(a)pyrene	<100 µg/kg	TM157		2560	6550
Benzo(g,h,i)perylene	<100 µg/kg	TM157		1120	3870
Chrysene	<100 µg/kg	TM157		2700	5840
Fluoranthene	<100 µg/kg	TM157		4430	8470
Fluorene	<100 µg/kg	TM157		119	325
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		1140	3520
Phenanthrene	<100 µg/kg	TM157		1340	2510
Pyrene	<100 µg/kg	TM157		3860	6720
Naphthalene	<100 µg/kg	TM157		<100	189
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		335	1100

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV7	ADV8
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17
			Lab Sample No.(s)	2196998	2197070
			AGS Reference		
Aliphatics >C12-C16	<100 µg/kg	TM173		4690	5320
Aliphatics >C16-C21	<100 µg/kg	TM173		3950	6500
Aliphatics >C21-C35	<100 µg/kg	TM173		13400	56400
Aliphatics >C35-C44	<100 µg/kg	TM173		7770	55000
Aromatics >EC12-EC16	<100 µg/kg	TM173		11500	6780
Aromatics >EC16-EC21	<100 µg/kg	TM173		66600	43700
Aromatics >EC21-EC35	<100 µg/kg	TM173		176000	295000
Aromatics >EC35-EC44	<100 µg/kg	TM173		66000	226000
Aromatics >EC40-EC44	<100 µg/kg	TM173		26000	95900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		29800	123000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		320000	571000
Total Aliphatics >C5-35	<100 µg/kg	TM173		22100	68300
Total Aliphatics >C5-C44	<100 µg/kg	TM173		29800	123000
Total Aromatics >C5-35	<100 µg/kg	TM173		254000	346000
Total Aromatics >C6-C44	<100 µg/kg	TM173		320000	571000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		276000	414000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		350000	695000
GRO Surrogate % recovery**	%	TM089		84	72
GRO >C5-C12	<44 µg/kg	TM089		73.9	56.1
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M
Toluene	<2 µg/kg	TM089		3.36 M	5.39 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	9.7 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		11.2	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		23.5	11.9
Total Aliphatics >C5-C12	<10 µg/kg	TM089		43.7	24.8
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		10.1	16.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		15.7	<10
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		30.2	32.3
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	15.1

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Reference:		**Order No.:**	CD0055
Location:		**Report No:**	100875

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV7	ADV8
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17
			Lab Sample No.(s)	2196998	2197070
			AGS Reference		
Dibromofluoromethane**	%	TM116		2.14	21.8
Toluene-d8**	%	TM116		96.8	93.1
4-Bromofluorobenzene**	%	TM116		130	141
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M
Toluene	<5 µg/kg	TM116		10.4 M	6.93 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M
Chorobenzene	<5 µg/kg	TM116		<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		19.3 M	11.9 M

SDG: 101007-17
Job: H_ATKINS_LDC-73
Client Reference:
Location:

Customer: Atkins Coed Darcy
Attention: Richard Western
Order No.: CD0055
Report No: 100875

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	ADV7	ADV8
			Depth (m)		
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	06/10/2010	06/10/2010
			Date Received	07/10/2010	07/10/2010
			SDG Ref	101007-17	101007-17
			Lab Sample No.(s)	2196998	2197070
			AGS Reference		
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M
Styrene	<10 µg/kg	TM116		14.7 M	14.8 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 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 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 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 M	68.6 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M

Table of Results - Appendix

SDG Number : 101007-17 **Client :** H_ATKINS_LDC **Client Ref :**

REPORT KEY

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

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

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

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
SUB		Subcontracted Test		
TM001	In - house Method	Determination of asbestos containing material by screening on solids		
TM022	Method 2540D, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part120 1981;BS EN 872	Determination of total suspended solids in waters		
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999; SCA Blue Book 130	Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids		
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser		
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS		
TM120	Method 2510B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part 9:1970	Determination of Electrical Conductivity using a Conductivity Meter		
TM132	In - house Method	ELTRA CS800 Operators Guide		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS		
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone		
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID		
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID		
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS		
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES		
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers		
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters		
TM245	By GC-FID	Determination of GRO by Headspace in waters		
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter		
TM259		Determination of Phenols in Waters and Leachates by HPLC		

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

Validated

ALcontrol Laboratories Analytical Services

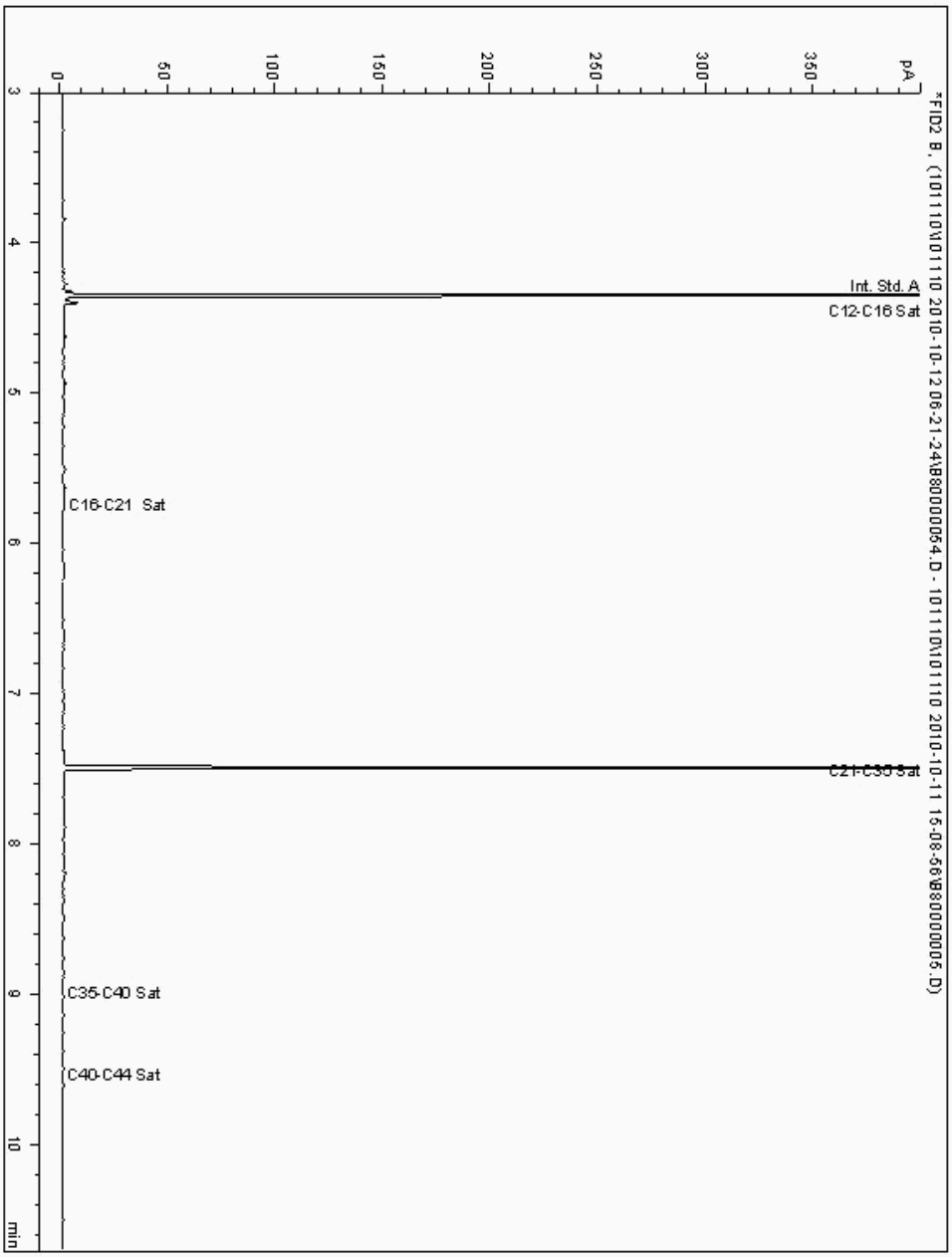
SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Chromatogram

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2211846
		Sample ID	ADV3
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298814-2211846
Date Acquired : 12/10/10 07:42:25
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



Validated

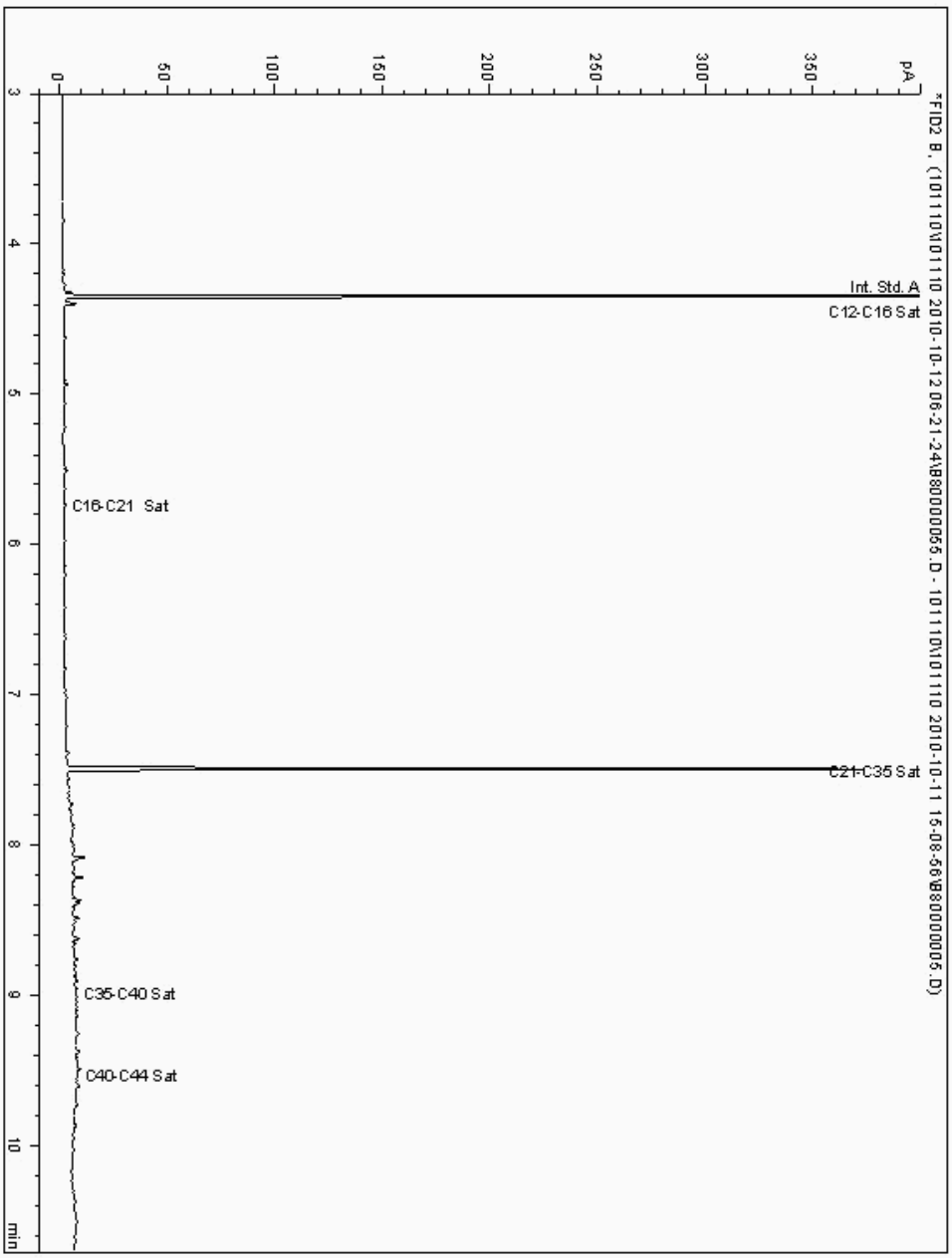
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2211849
		Sample ID	ADV8
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298758-2211849
Date Acquired : 12/10/10 08:01:54
Units : ppb
Dilution :
CF : 1
Multiplier : 0.990



Validated

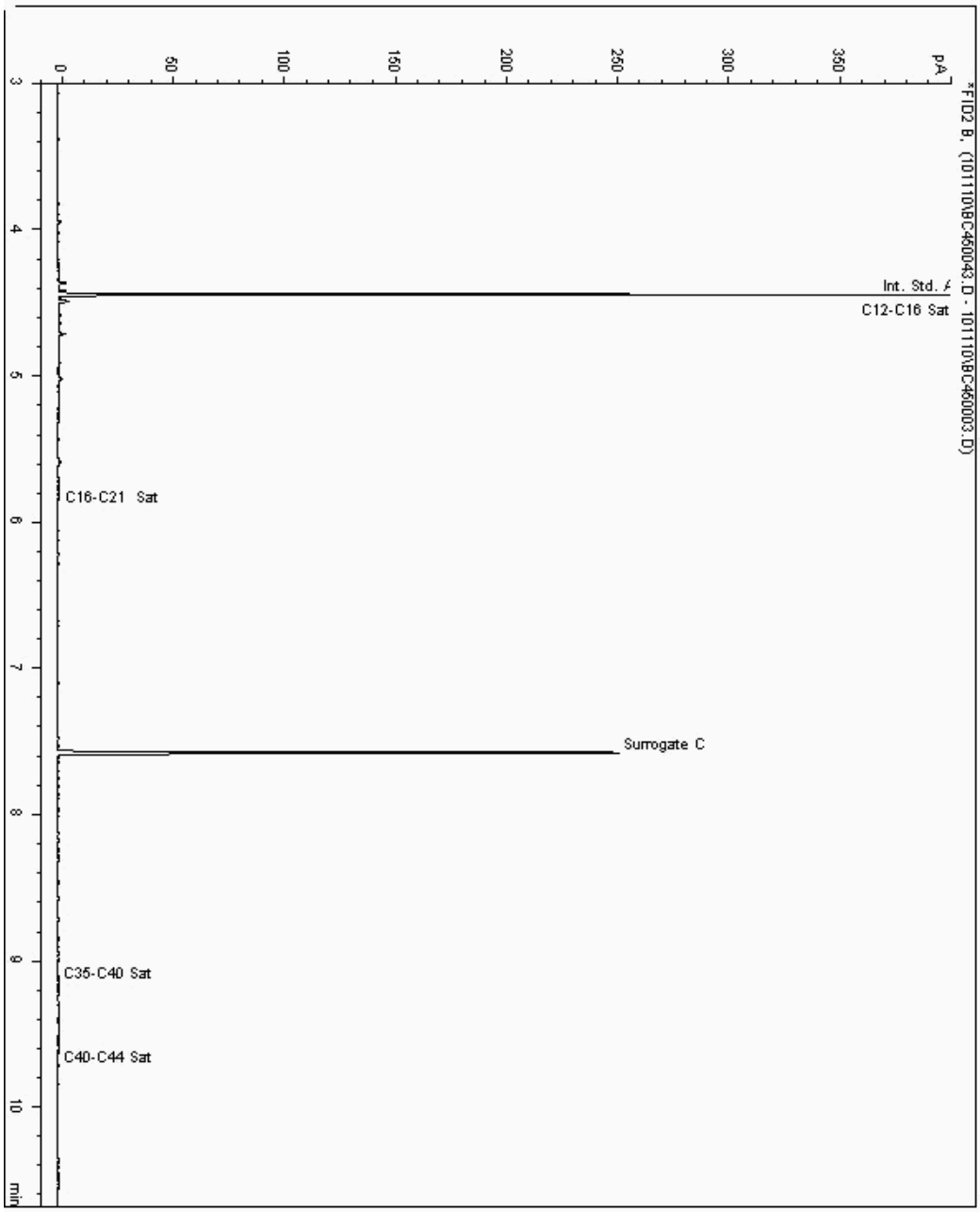
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2211854
		Sample ID	ADV1
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298772-2211854
Date Acquired : 12/10/10 12:29:54 PM
Units : ppb
Dilution:



Validated

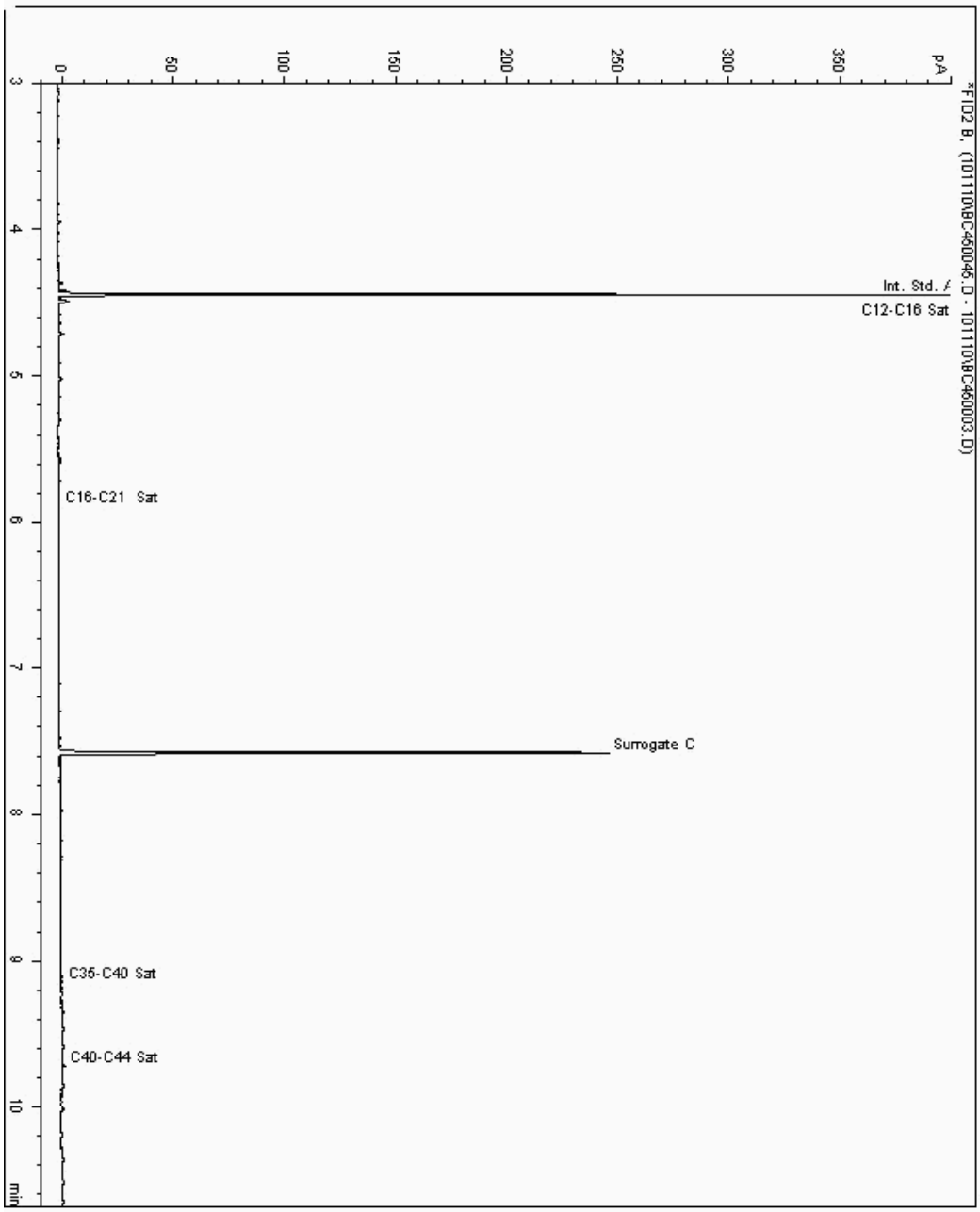
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2211866
		Sample ID	ADV6
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298641-2211866
Date Acquired : 12/10/10 13:07:52 PM
Units : ppb
Dilution:



Validated

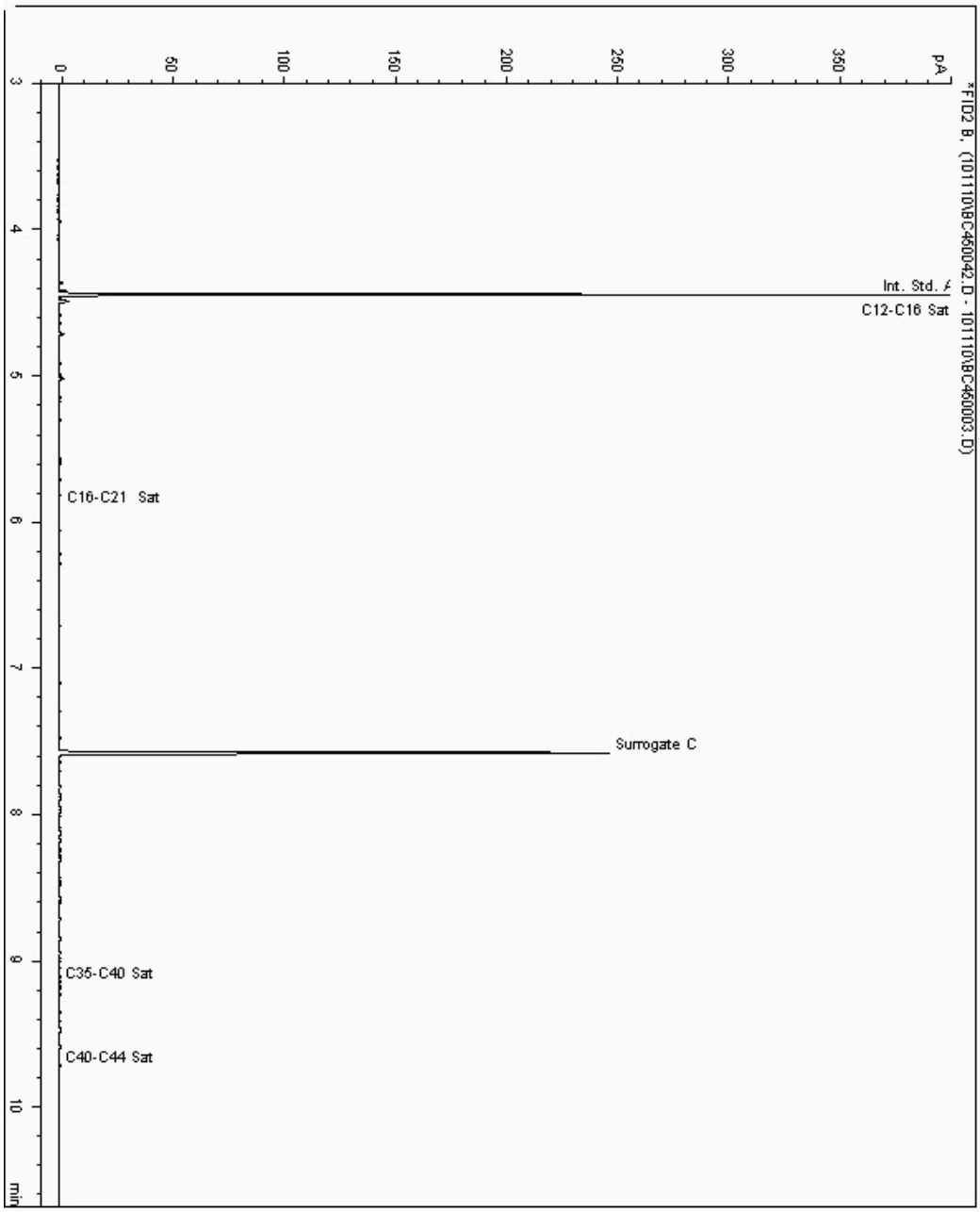
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2211883
		Sample ID	ADV7
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298665-2211883
Date Acquired : 12/10/10 12:11:02 PM
Units : ppb
Dilution:



Validated

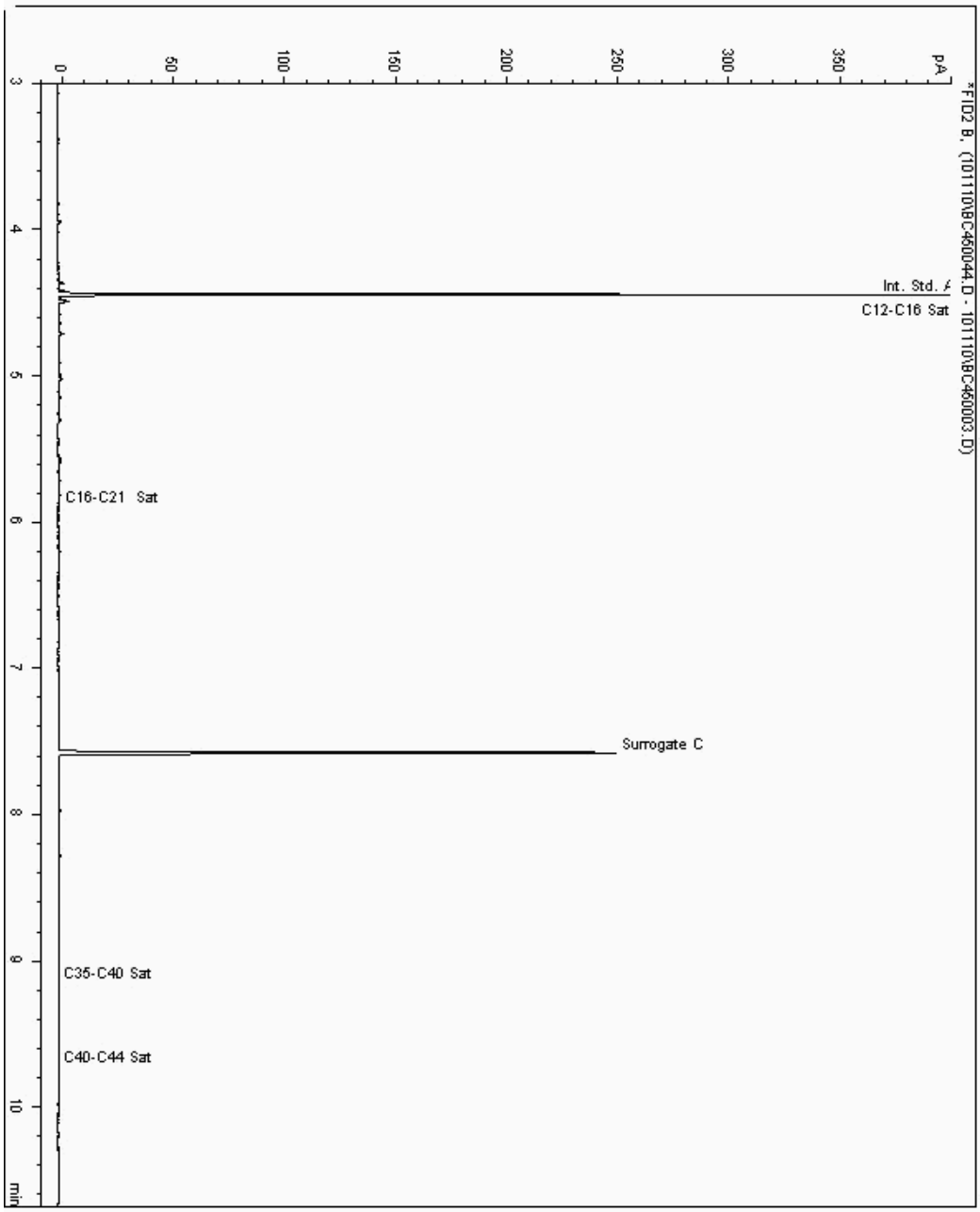
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2211900
		Sample ID	ADV5
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298786-2211900
Date Acquired : 12/10/10 12:48:49 PM
Units : ppb
Dilution:



Validated

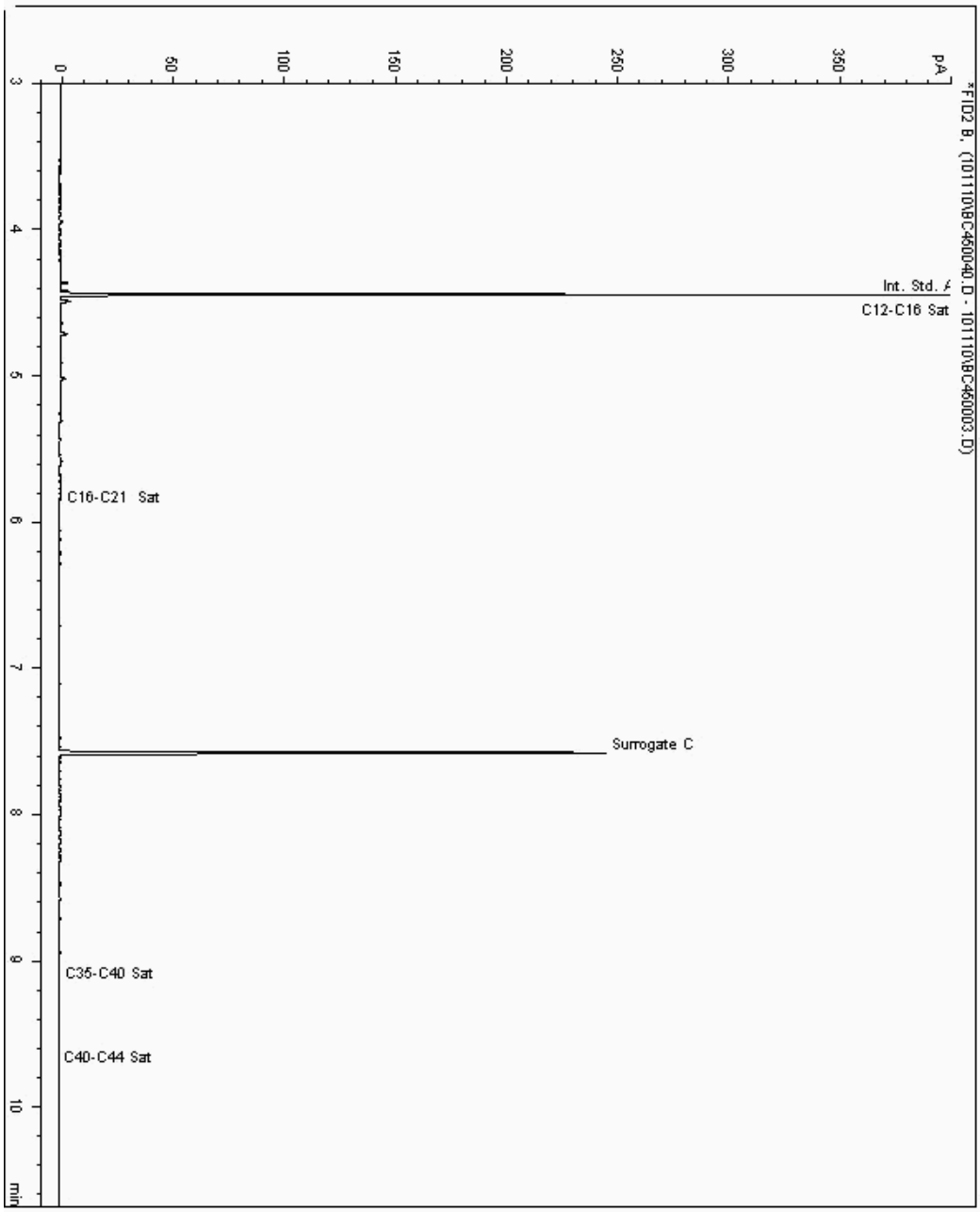
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2211911
		Sample ID	ADV2
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298800-2211911
Date Acquired : 12/10/10 11:33:04 PM
Units : ppb
Dilution:



Validated

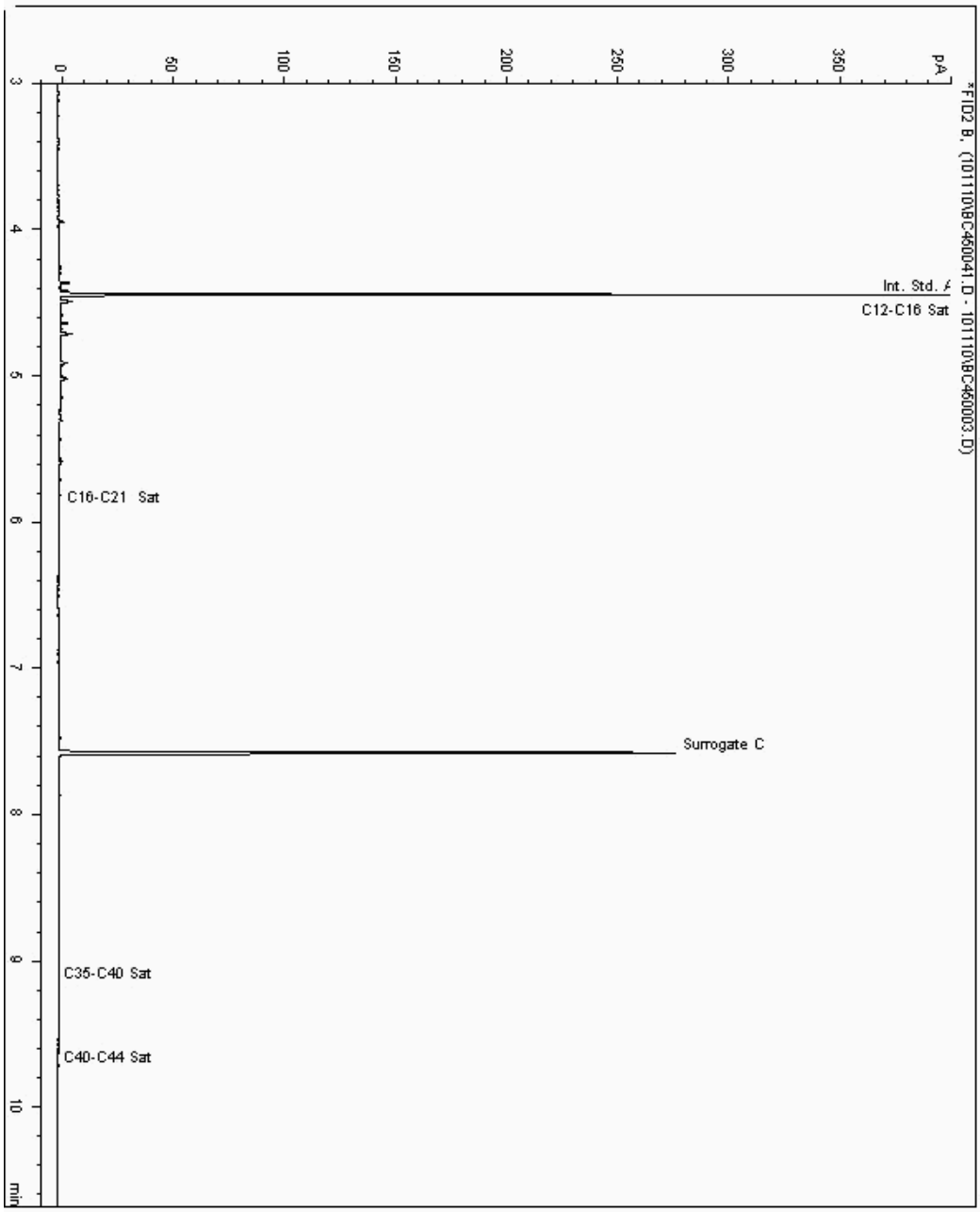
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2211919
		Sample ID	ADV4
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298712-2211919
Date Acquired : 12/10/10 11:52:04 PM
Units : ppb
Dilution:



Validated

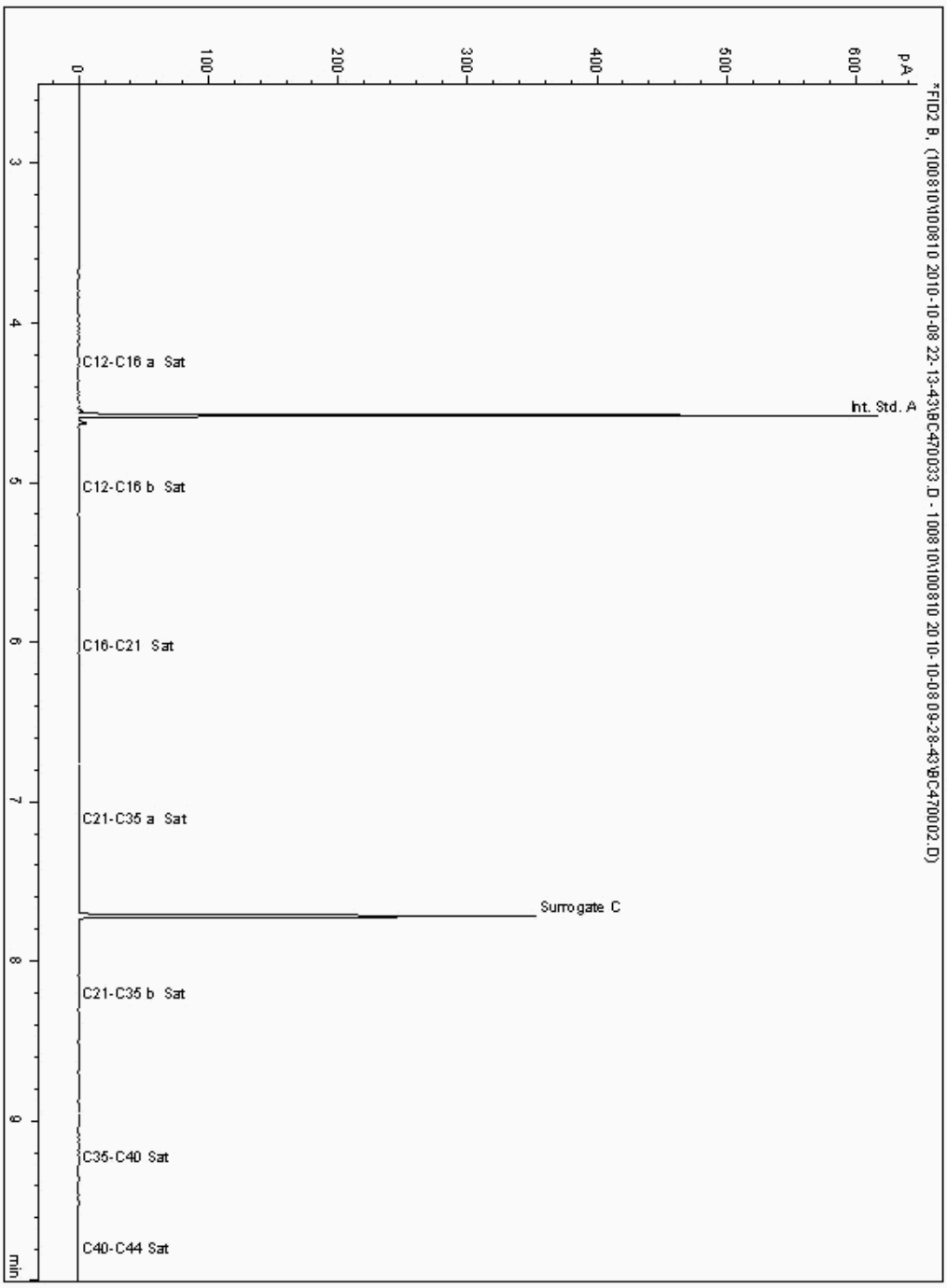
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2201732
		Sample ID	36"
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298832-2201732
Date Acquired : 08/10/10 22:20:50
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

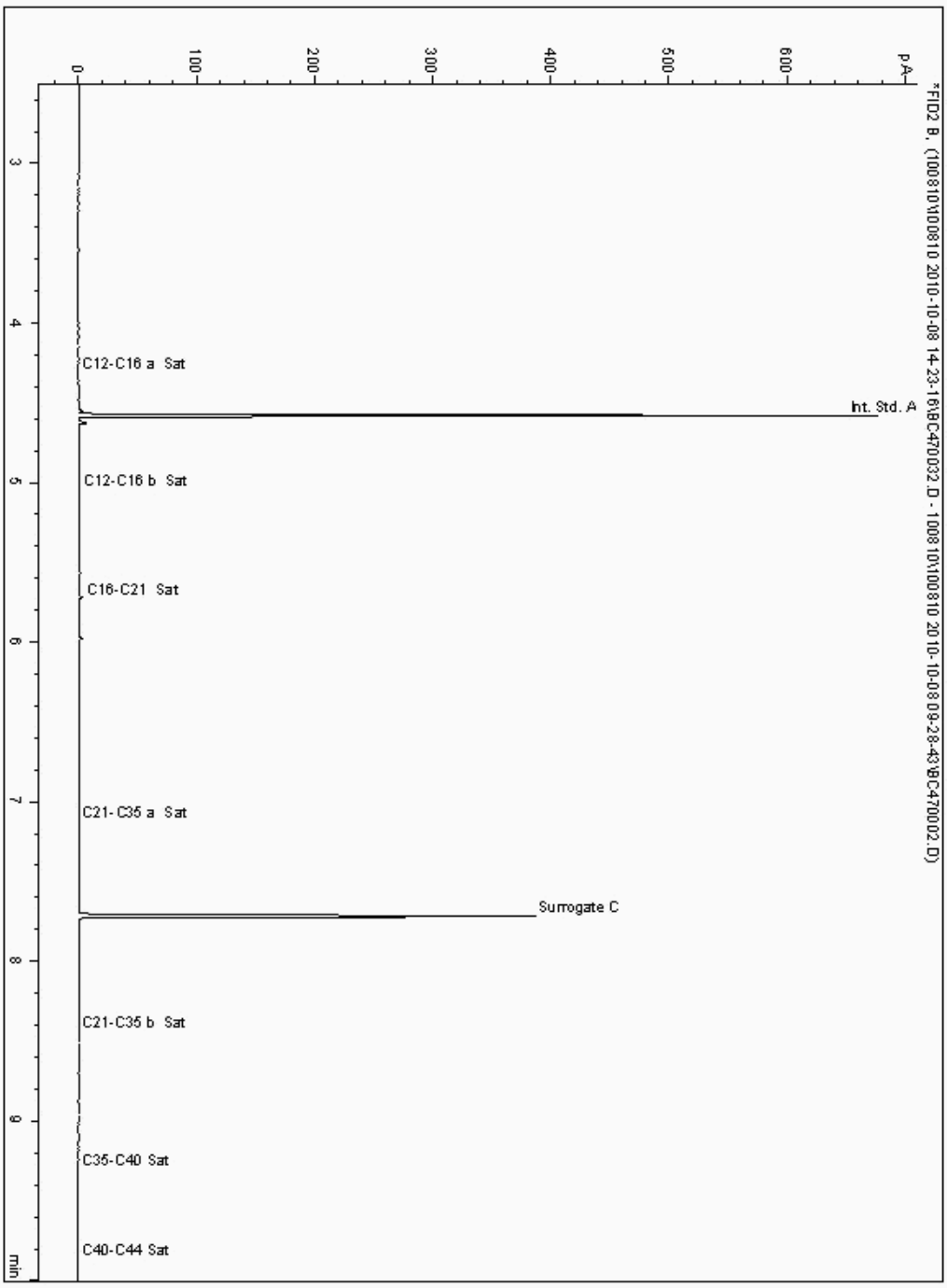
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2201757
		Sample ID	CBL MANUAL VALVE
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 2298845-2201757
Date Acquired : 08/10/10 21:46:54
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

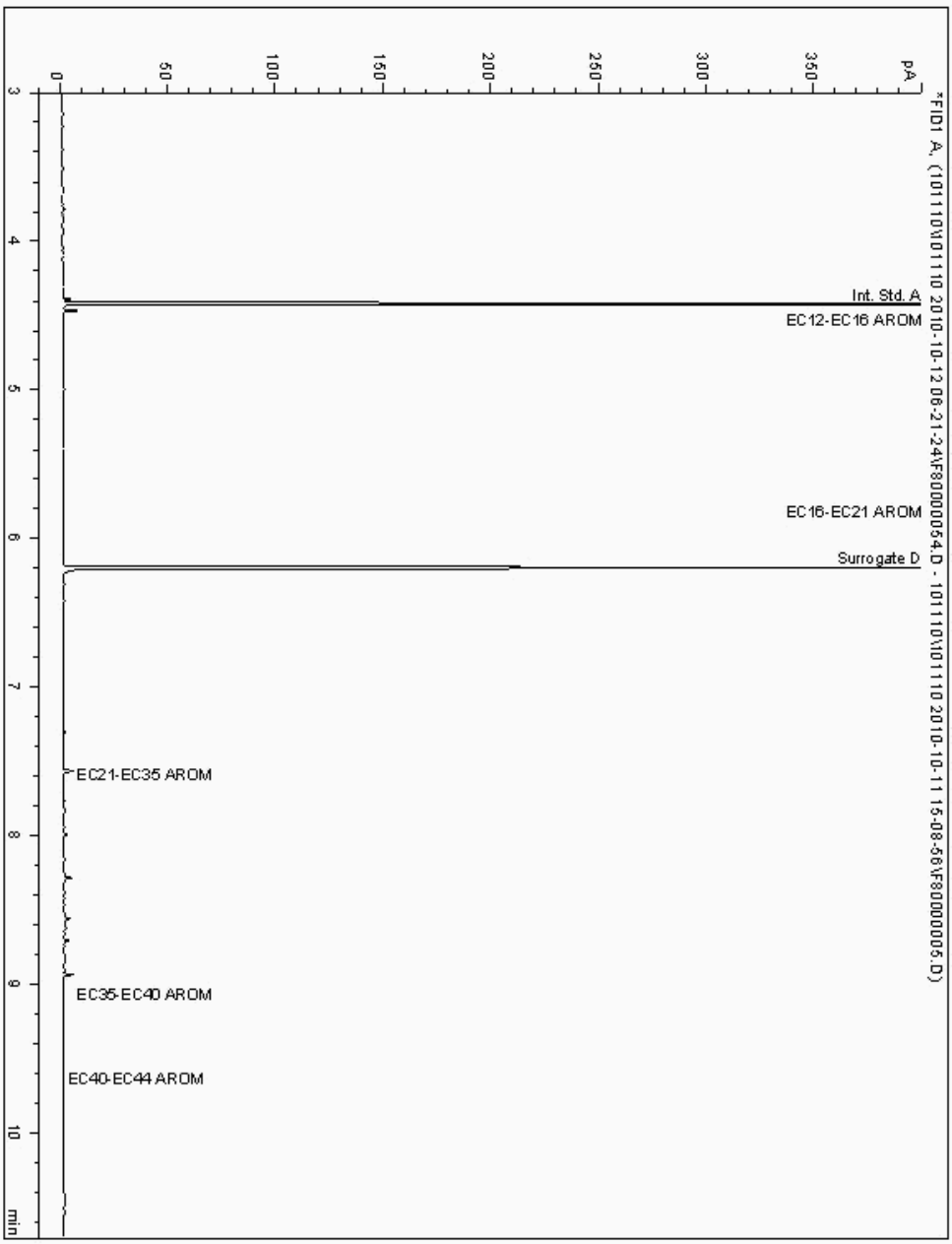
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2211846
		Sample ID	ADV3
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298815-2211846
Date Acquired : 12/10/10 07:42:24
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



Validated

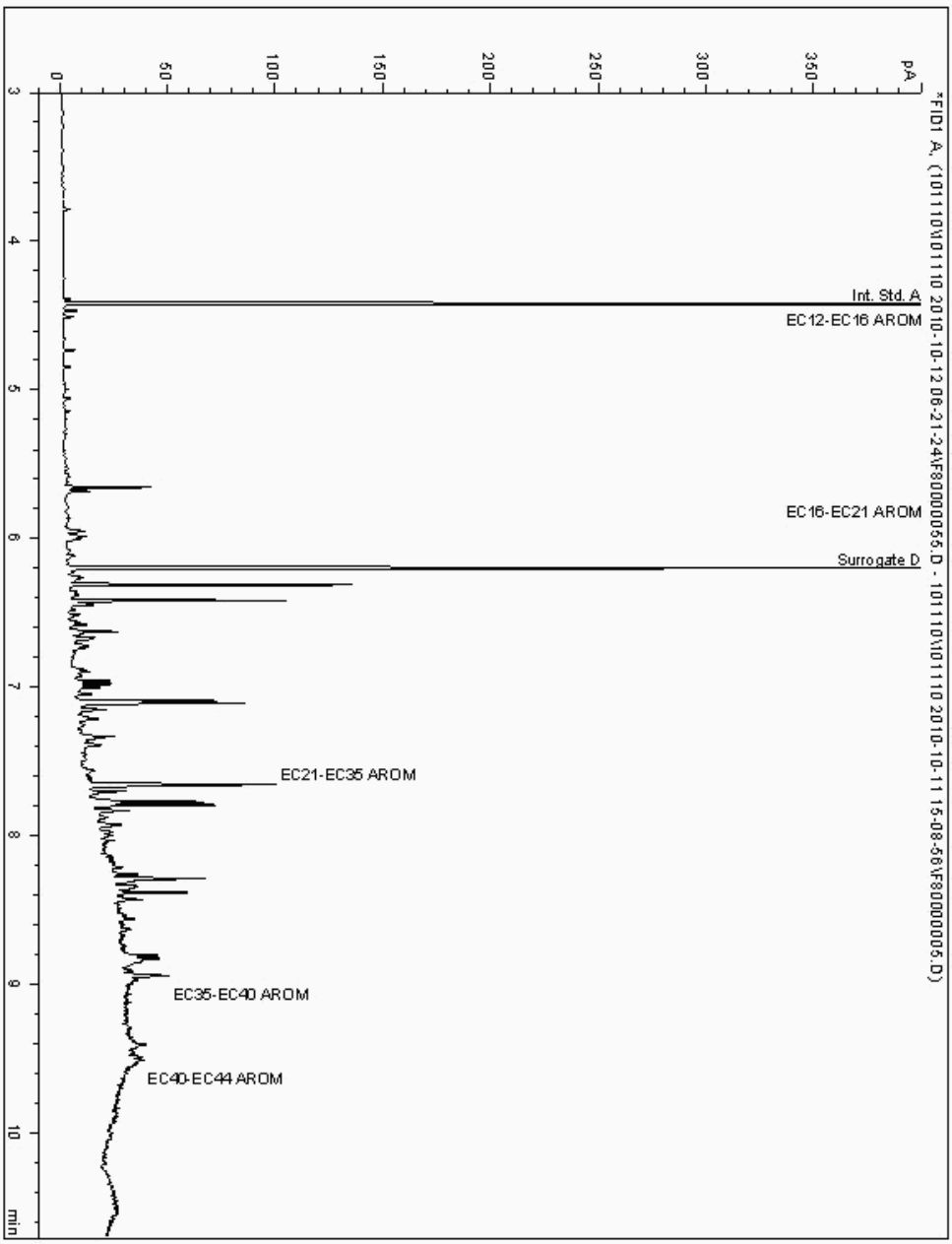
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2211849
		Sample ID	ADV8
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298759-2211849
Date Acquired : 12/10/10 08:01:54
Units : ppb
Dilution :
CF : 1
Multiplier : 0.990



Validated

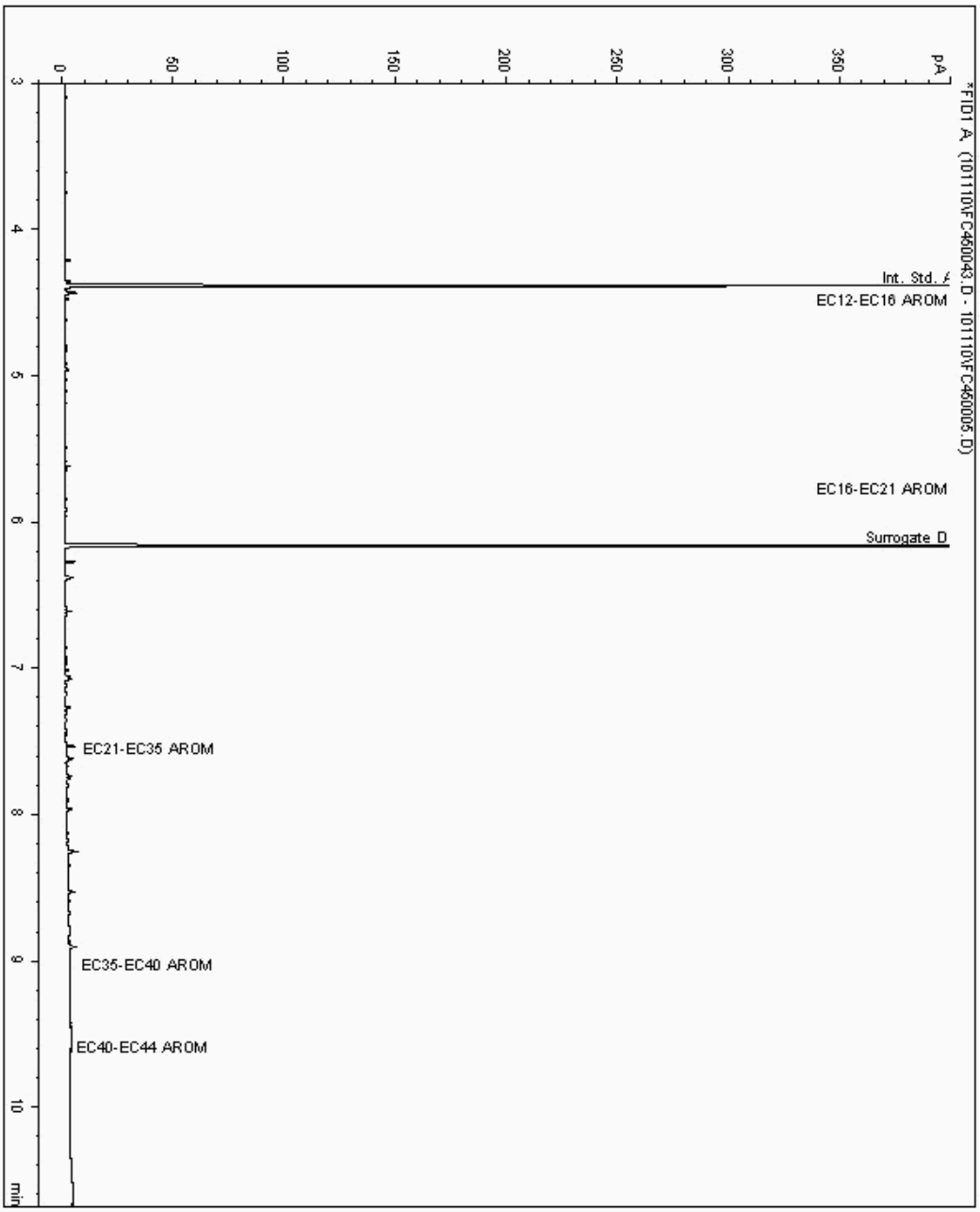
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2211854
		Sample ID	ADV1
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298773-2211854
Date Acquired : 12/10/10 04:14:37 PM
Units : ppb
Dilution:



Validated

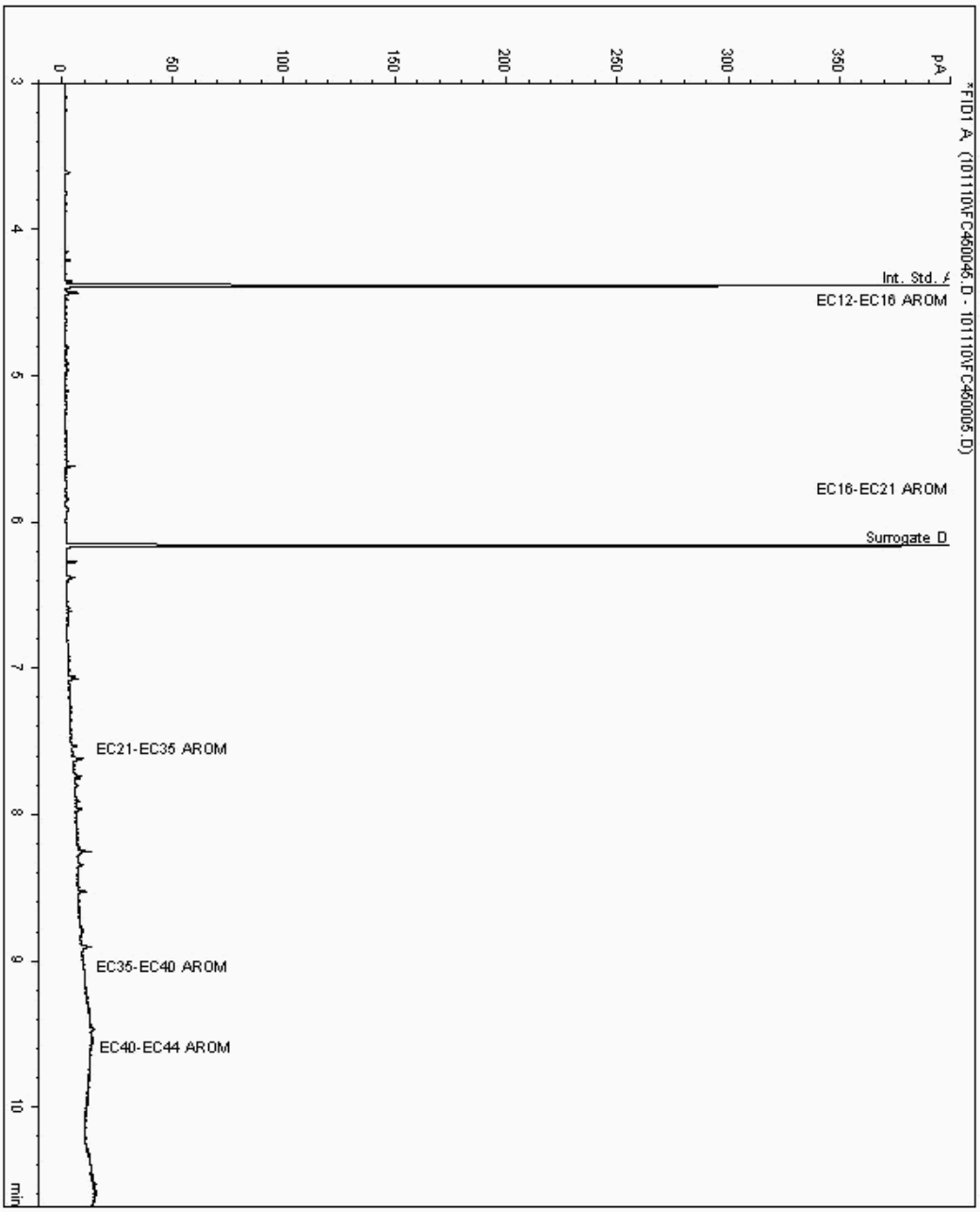
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2211866
		Sample ID	ADV6
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298642-2211866
Date Acquired : 12/10/10 04:53:38 PM
Units : ppb
Dilution:



Validated

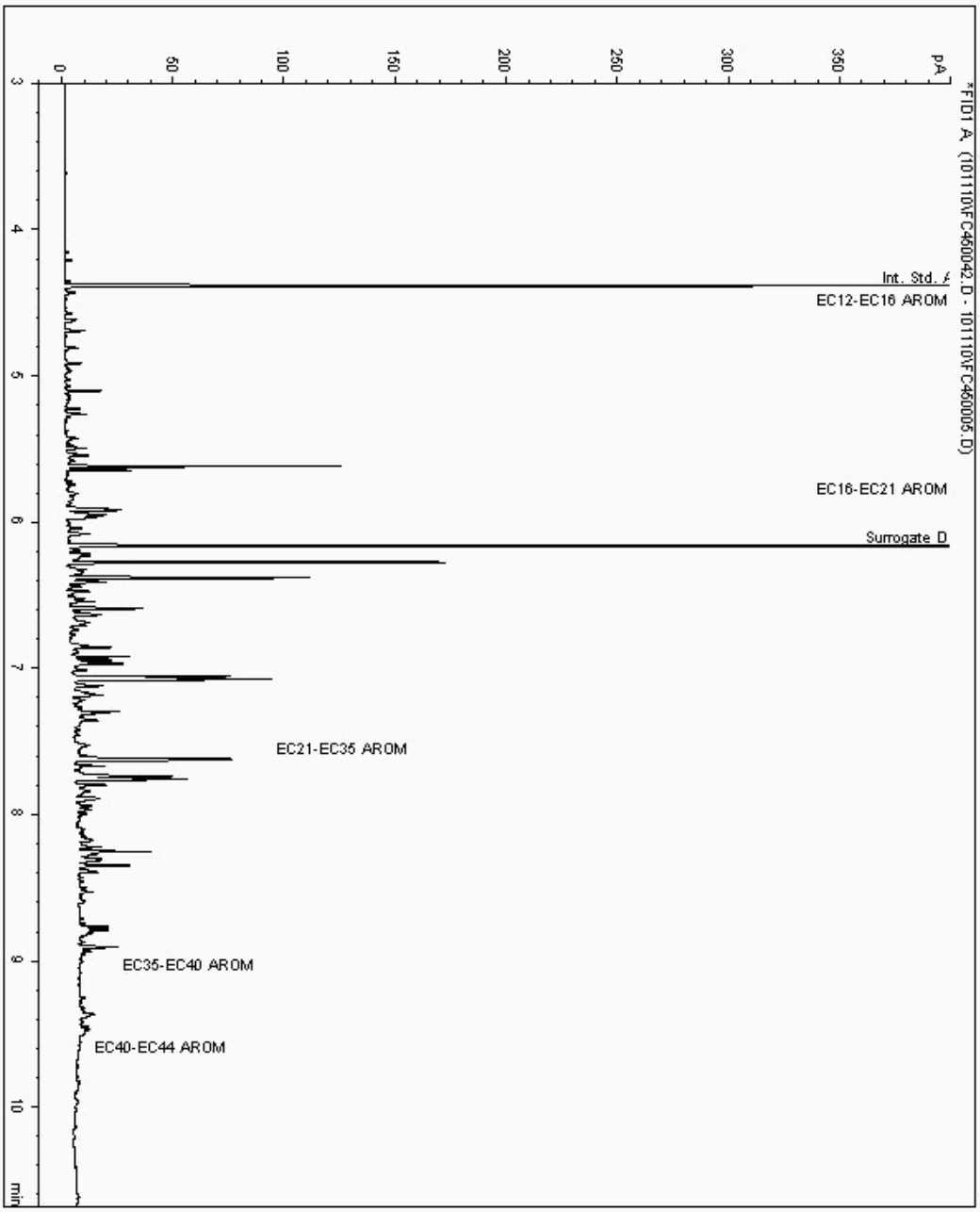
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2211883
		Sample ID	ADV7
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298666-2211883
Date Acquired : 12/10/10 03:55:08 PM
Units : ppb
Dilution:



Validated

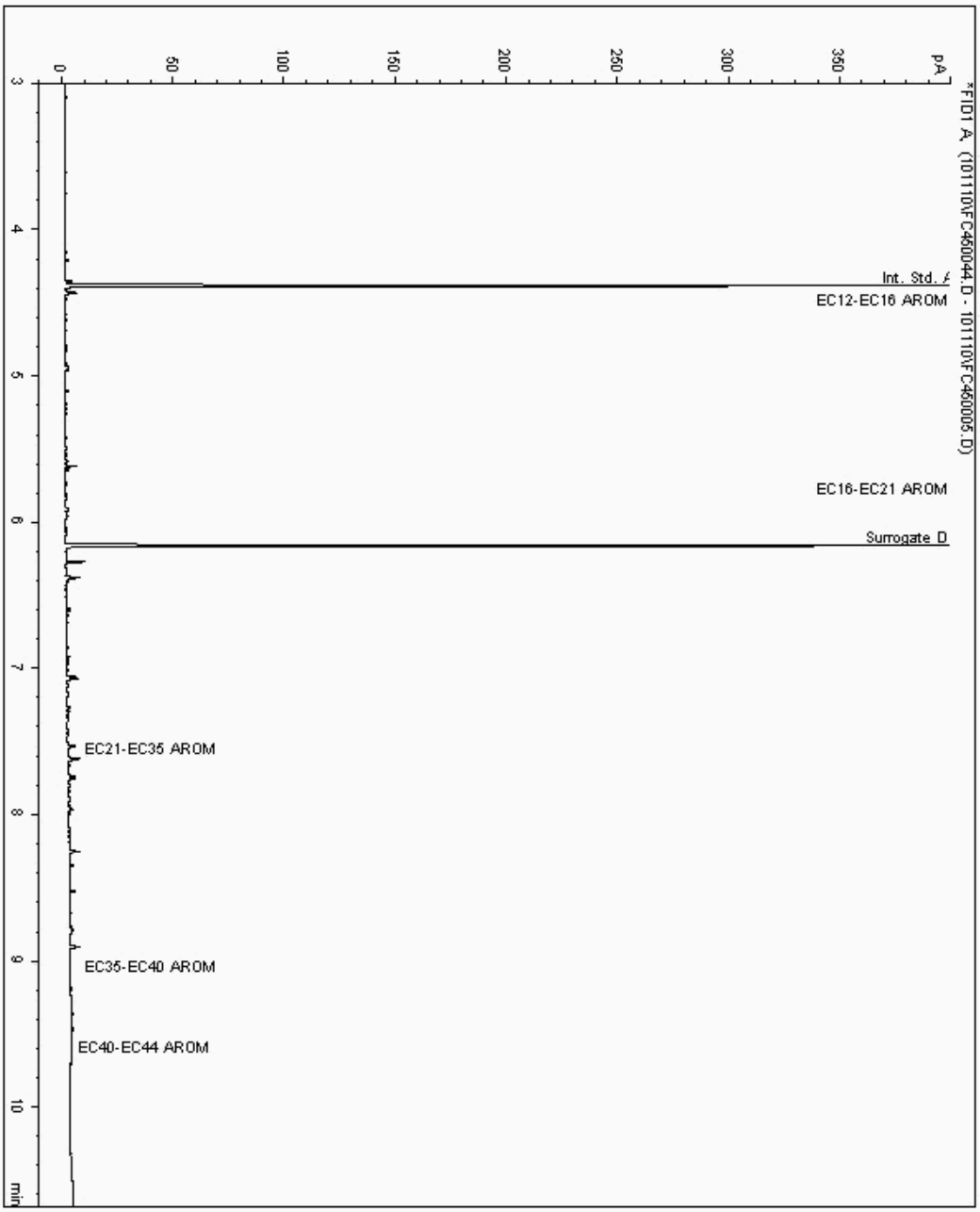
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2211900
		Sample ID	ADV5
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298787-2211900
Date Acquired : 12/10/10 04:34:05 PM
Units : ppb
Dilution:



Validated

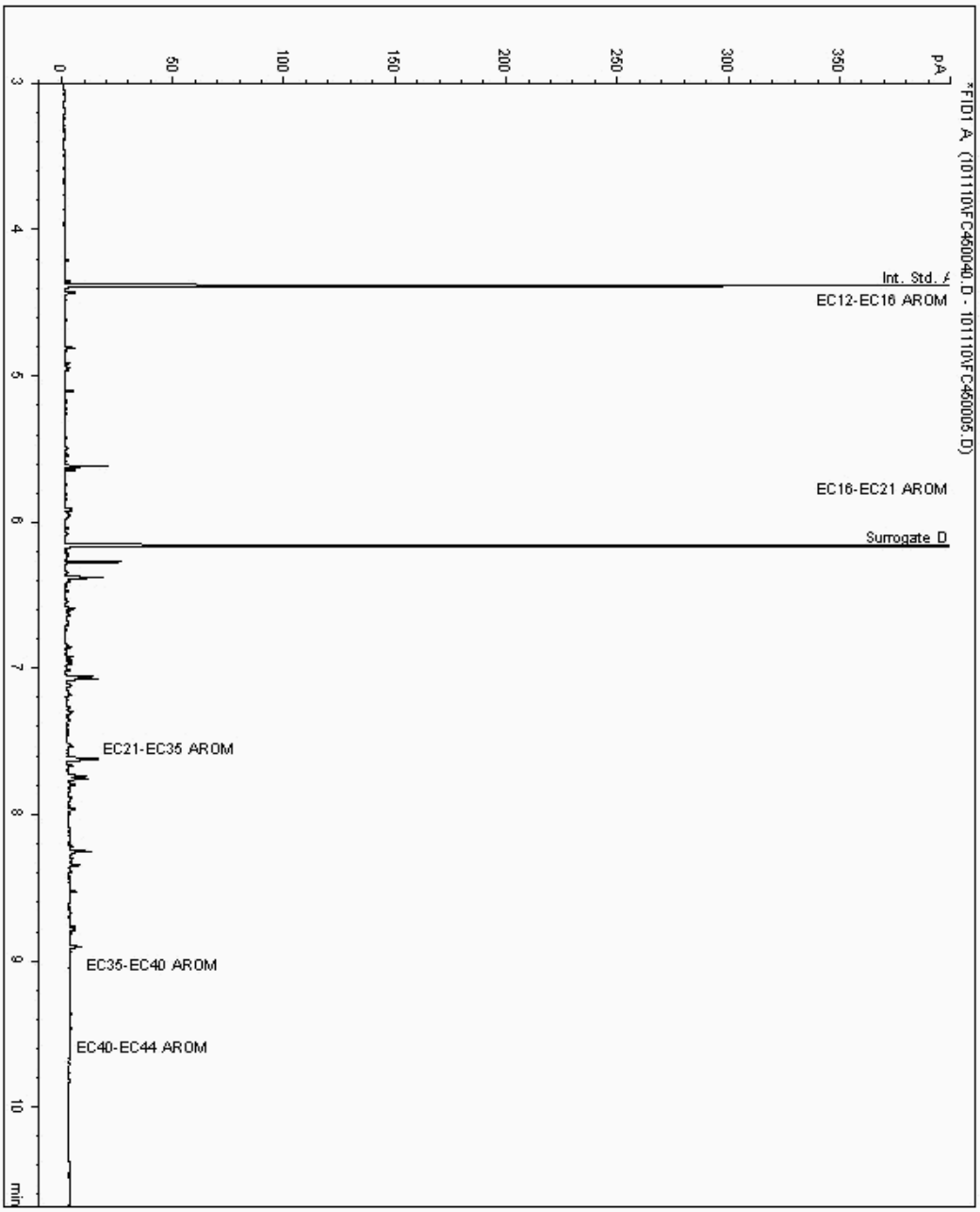
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2211911
		Sample ID	ADV2
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298801-2211911
Date Acquired : 12/10/10 03:16:09 PM
Units : ppb
Dilution:



Validated

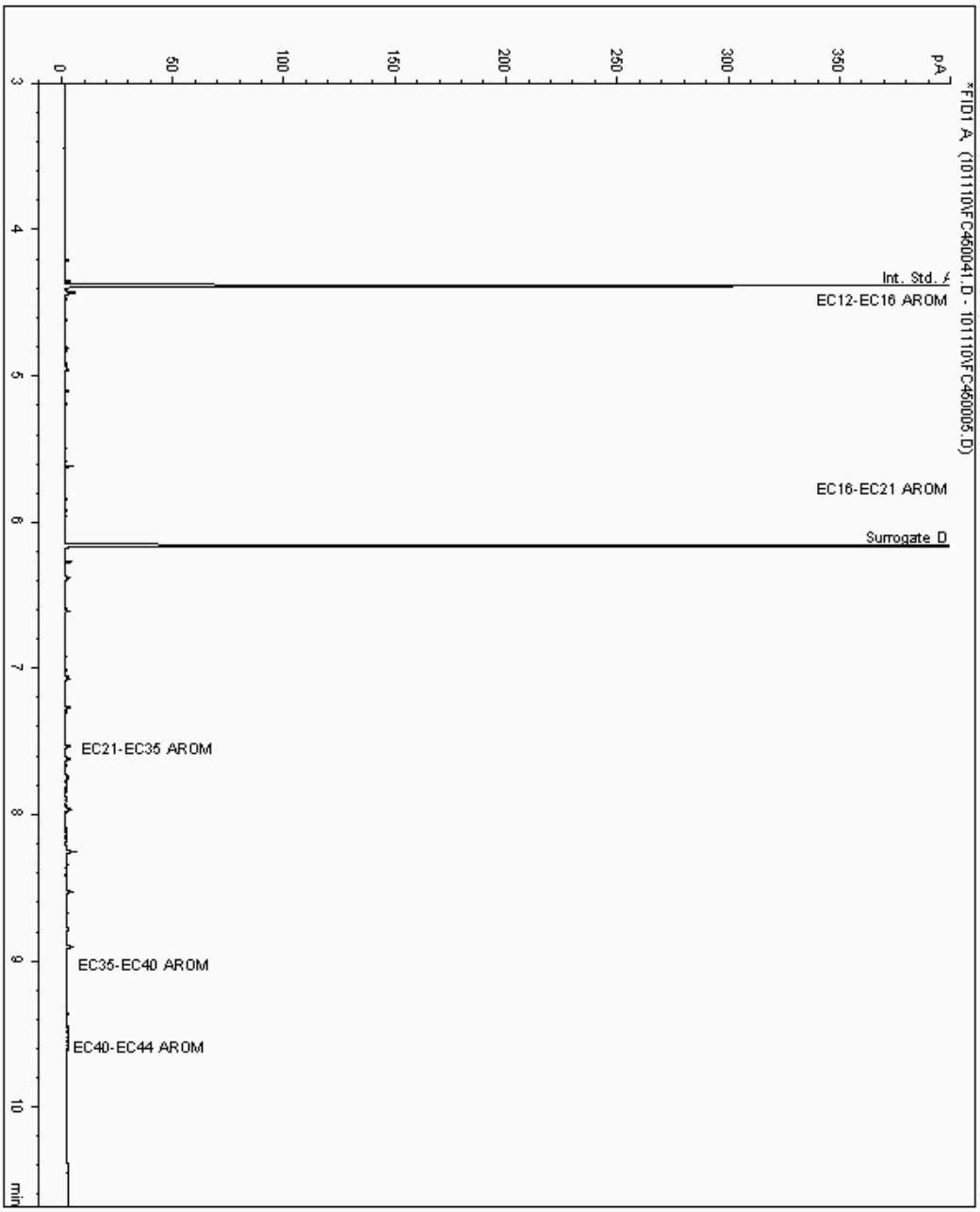
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2211919
		Sample ID	ADV4
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298713-2211919
Date Acquired : 12/10/10 03:35:40 PM
Units : ppb
Dilution:



Validated

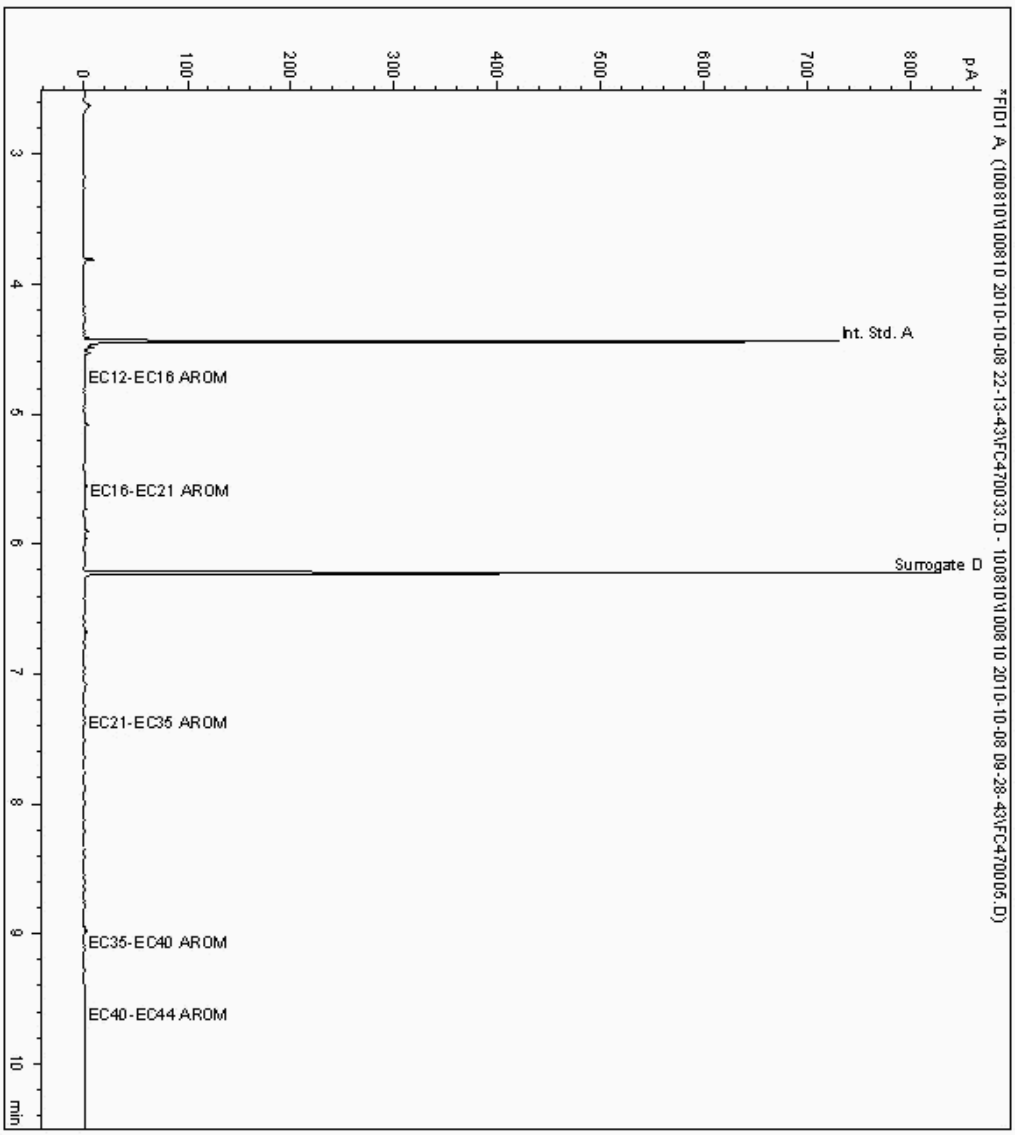
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2201732
		Sample ID	36"
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298833-2201732
Date Acquired : 08/10/10 22:20:50
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

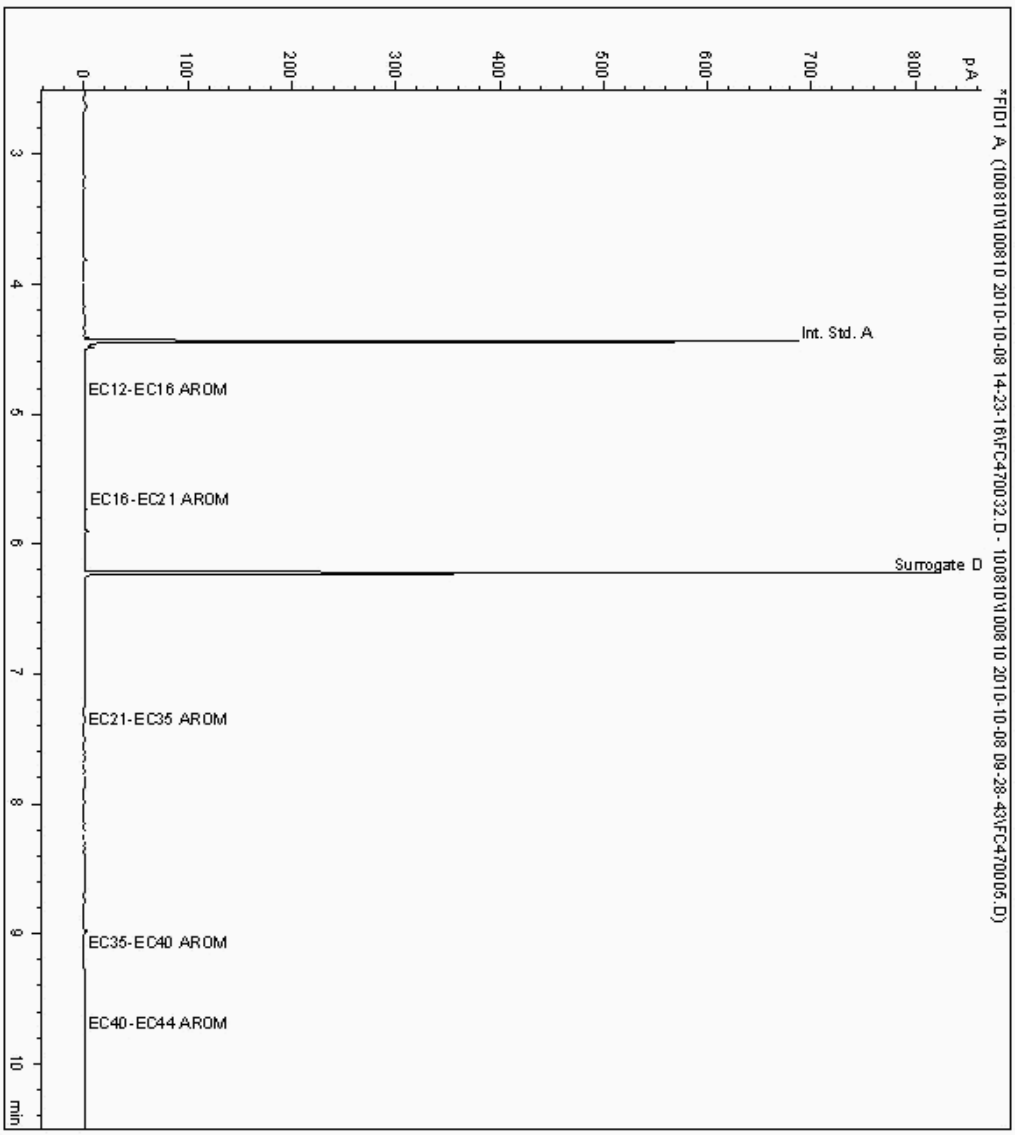
ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2201757
		Sample ID	CBL MANUAL VALVE
		Depth	

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 2298846-2201757
Date Acquired : 08/10/10 21:46:54
Units :
Dilution :
CF : 1
Multiplier : 0.008

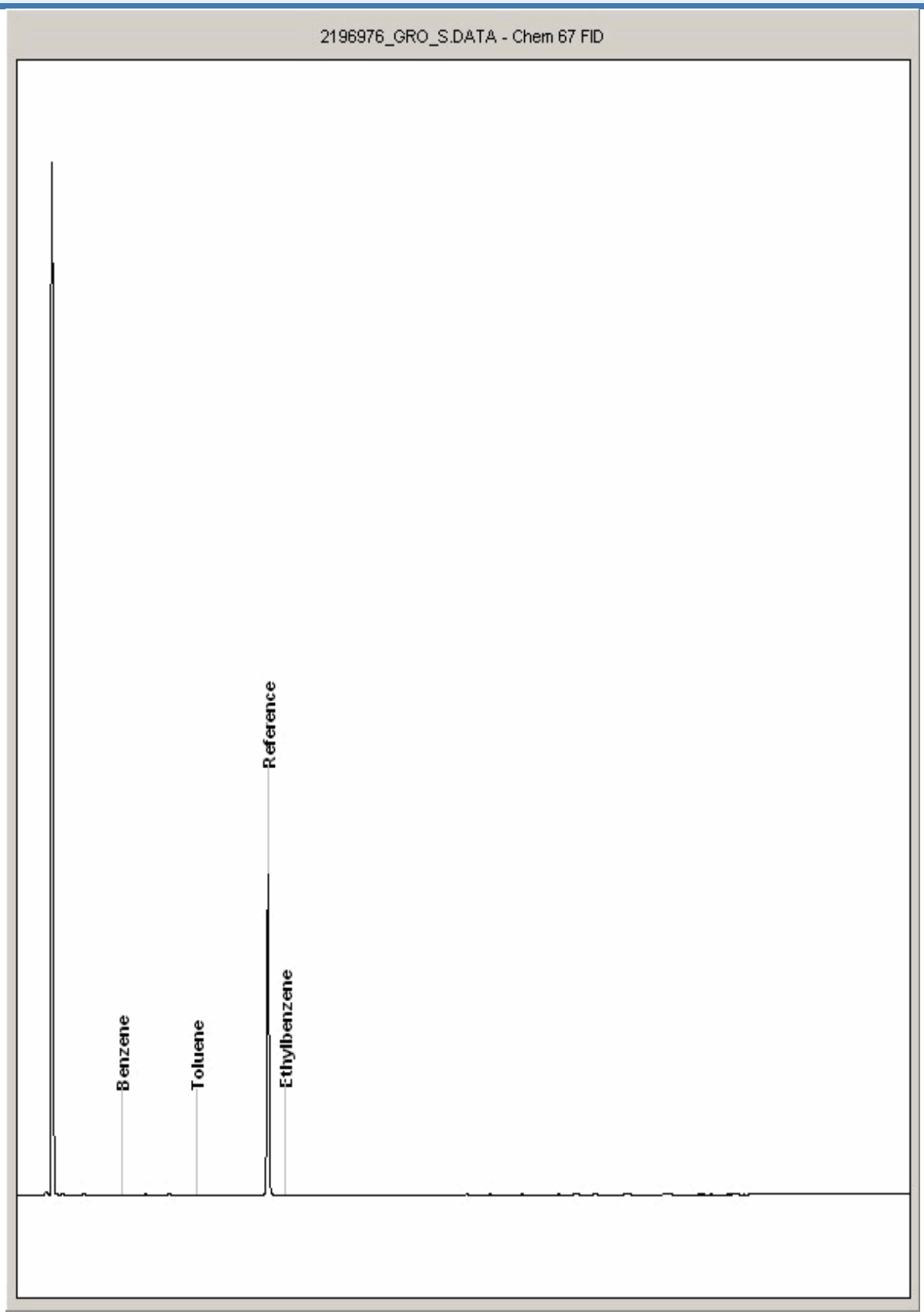


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (S)	**Sample No**	2196976
		Sample ID	ADV6
		Depth	

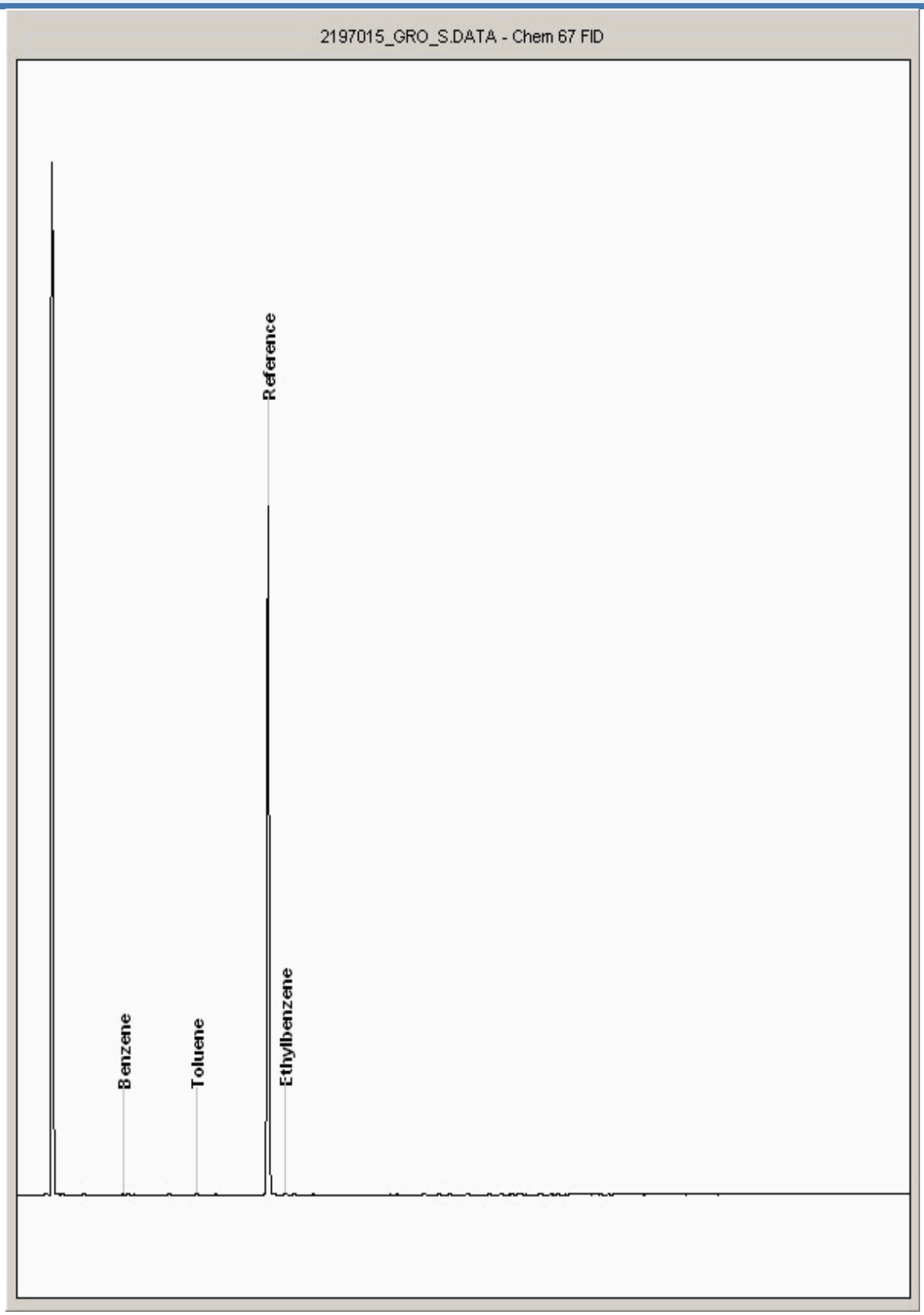


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (S)	**Sample No**	2197015
		Sample ID	ADV7
		Depth	

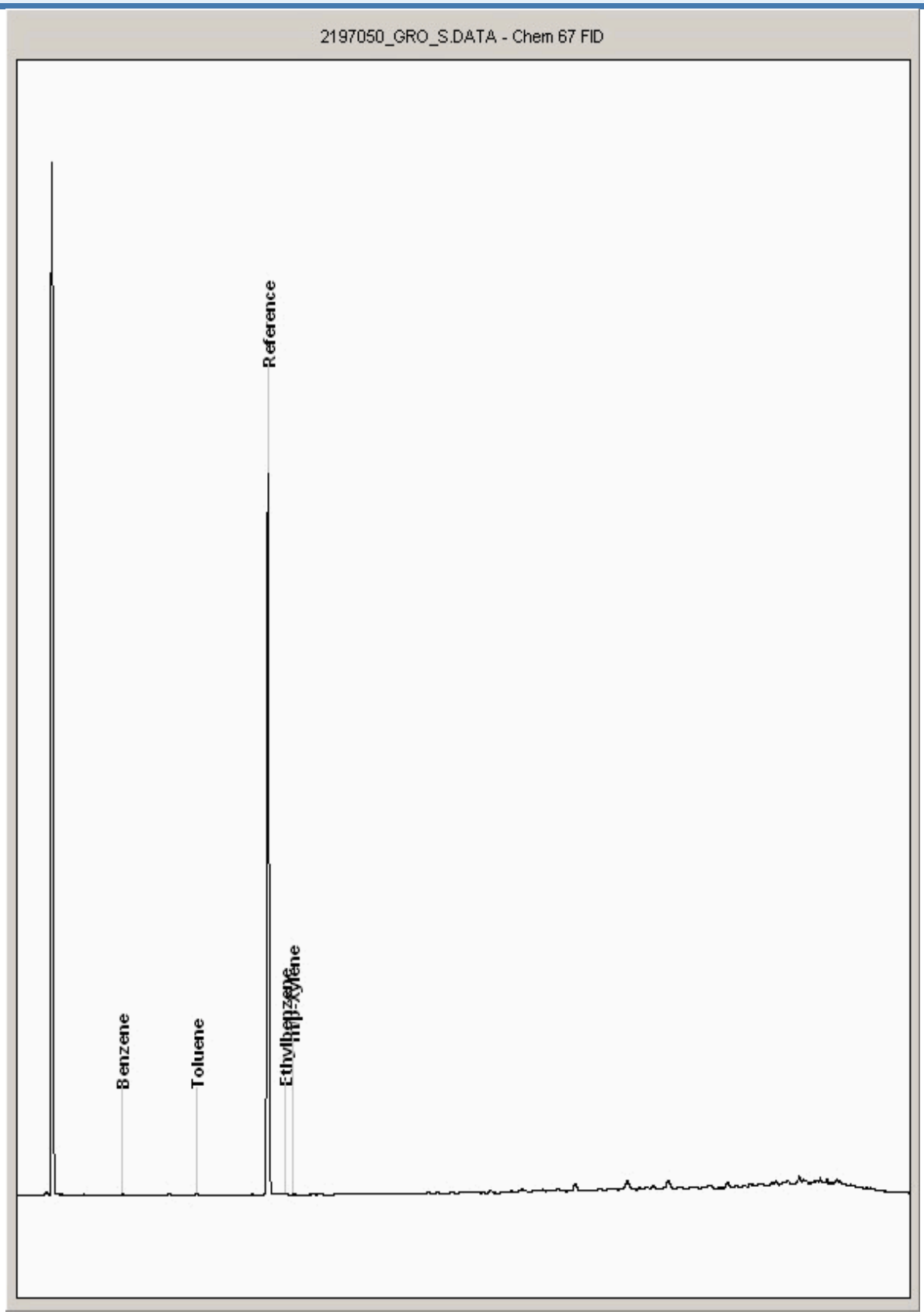


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (S)	**Sample No**	2197050
		Sample ID	ADV4
		Depth	

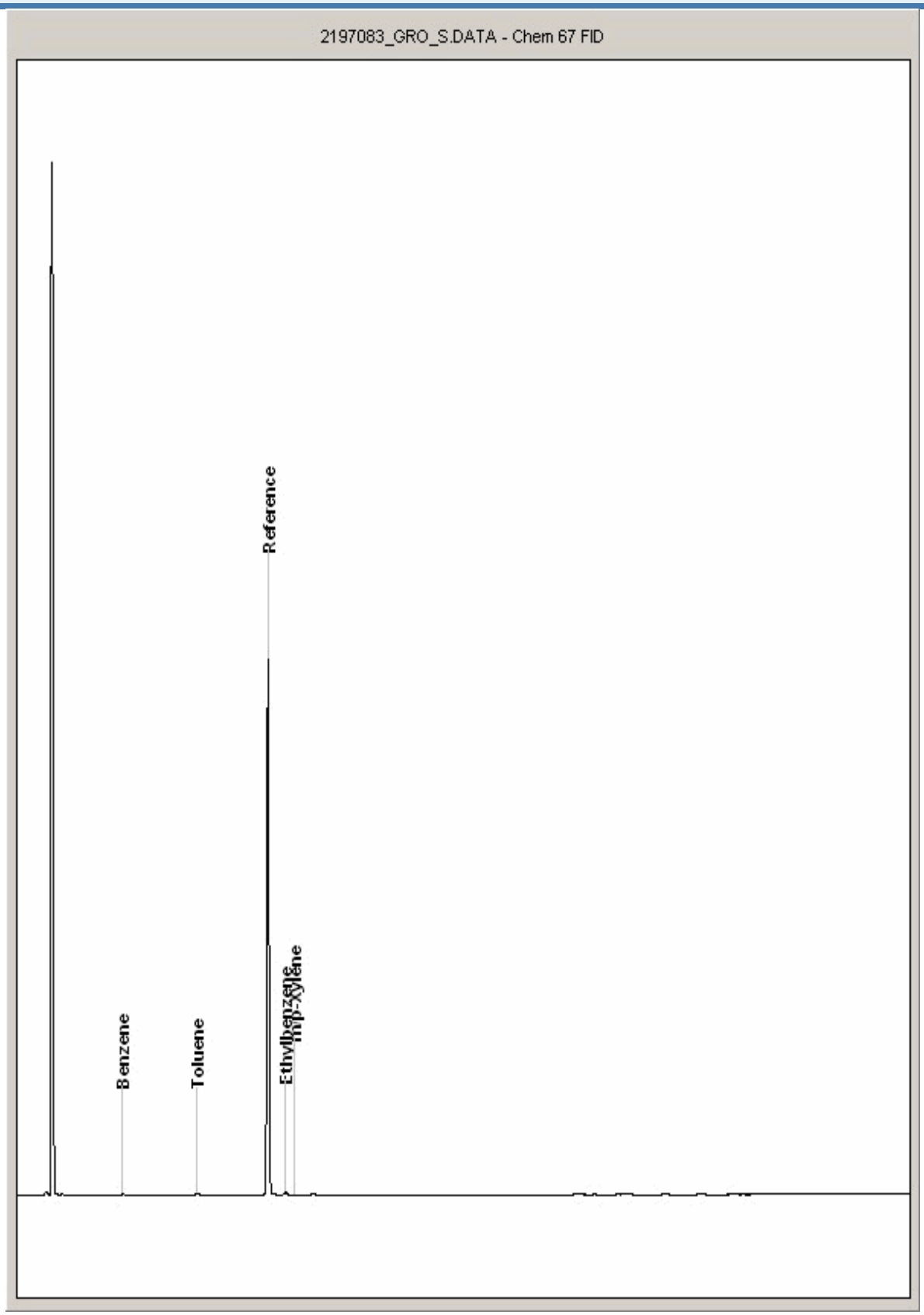


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (S)	**Sample No**	2197083
		Sample ID	ADV8
		Depth	

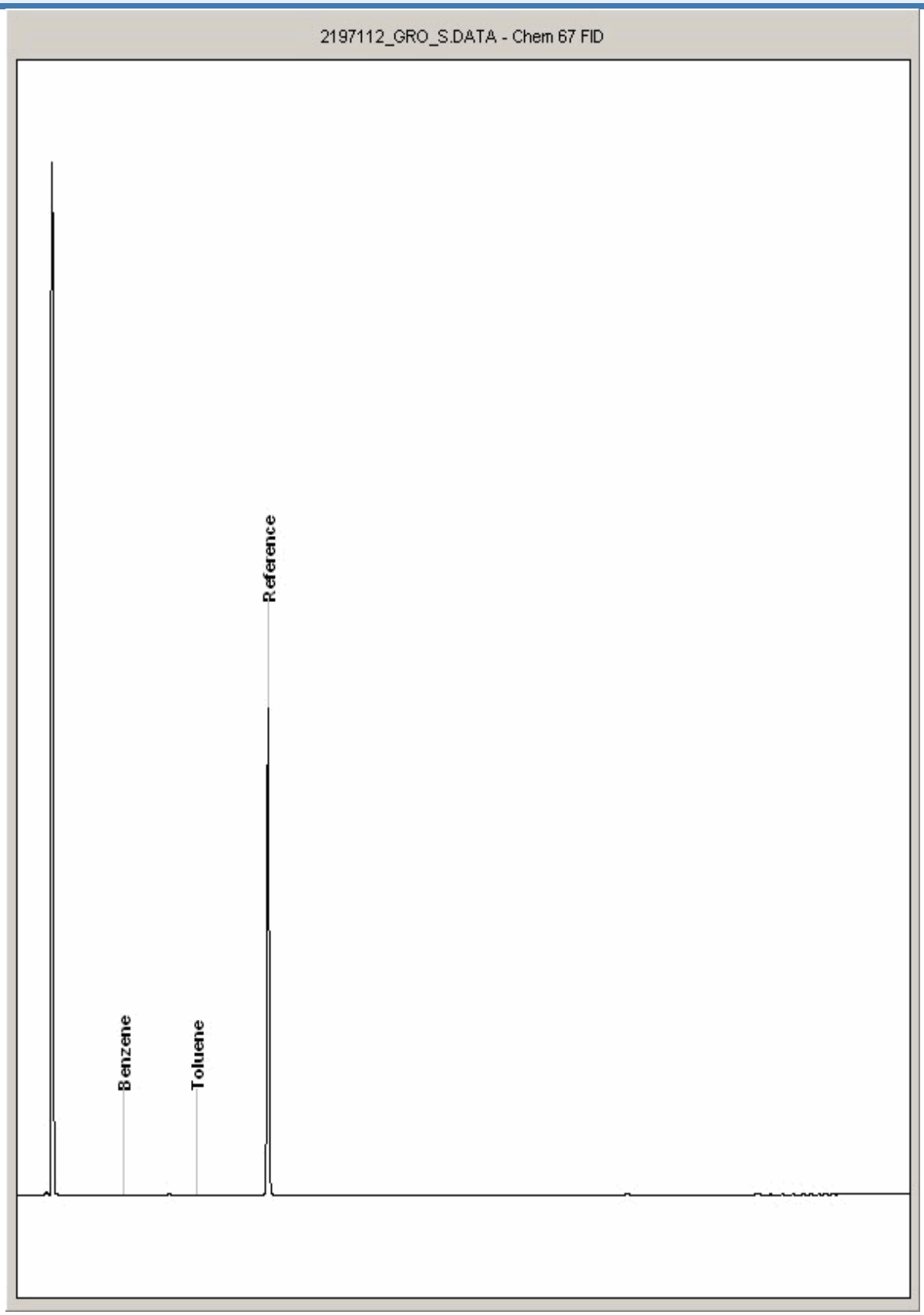


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (S)	**Sample No**	2197112
		Sample ID	ADV1
		Depth	

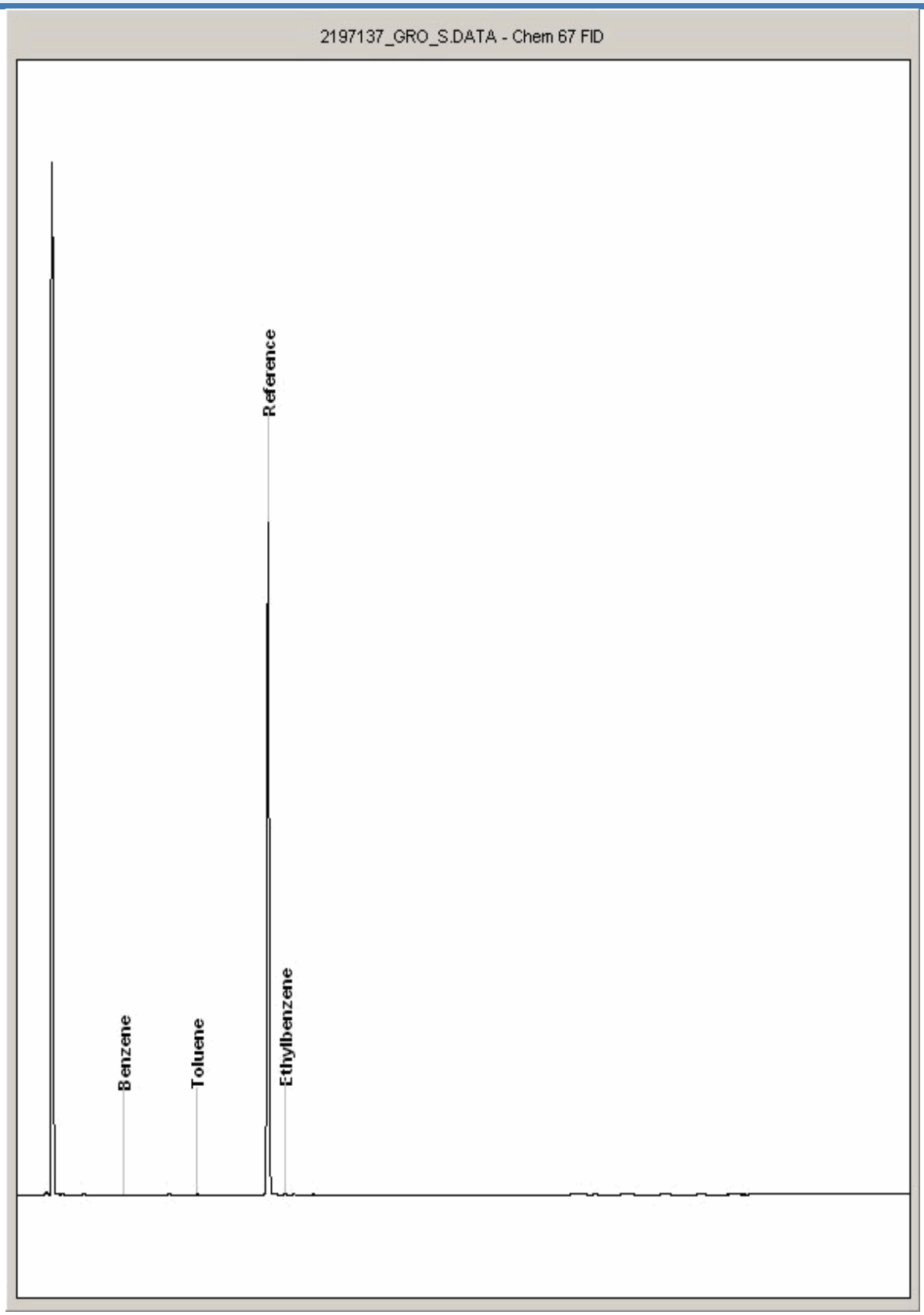


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (S)	**Sample No**	2197137
		Sample ID	ADV5
		Depth	

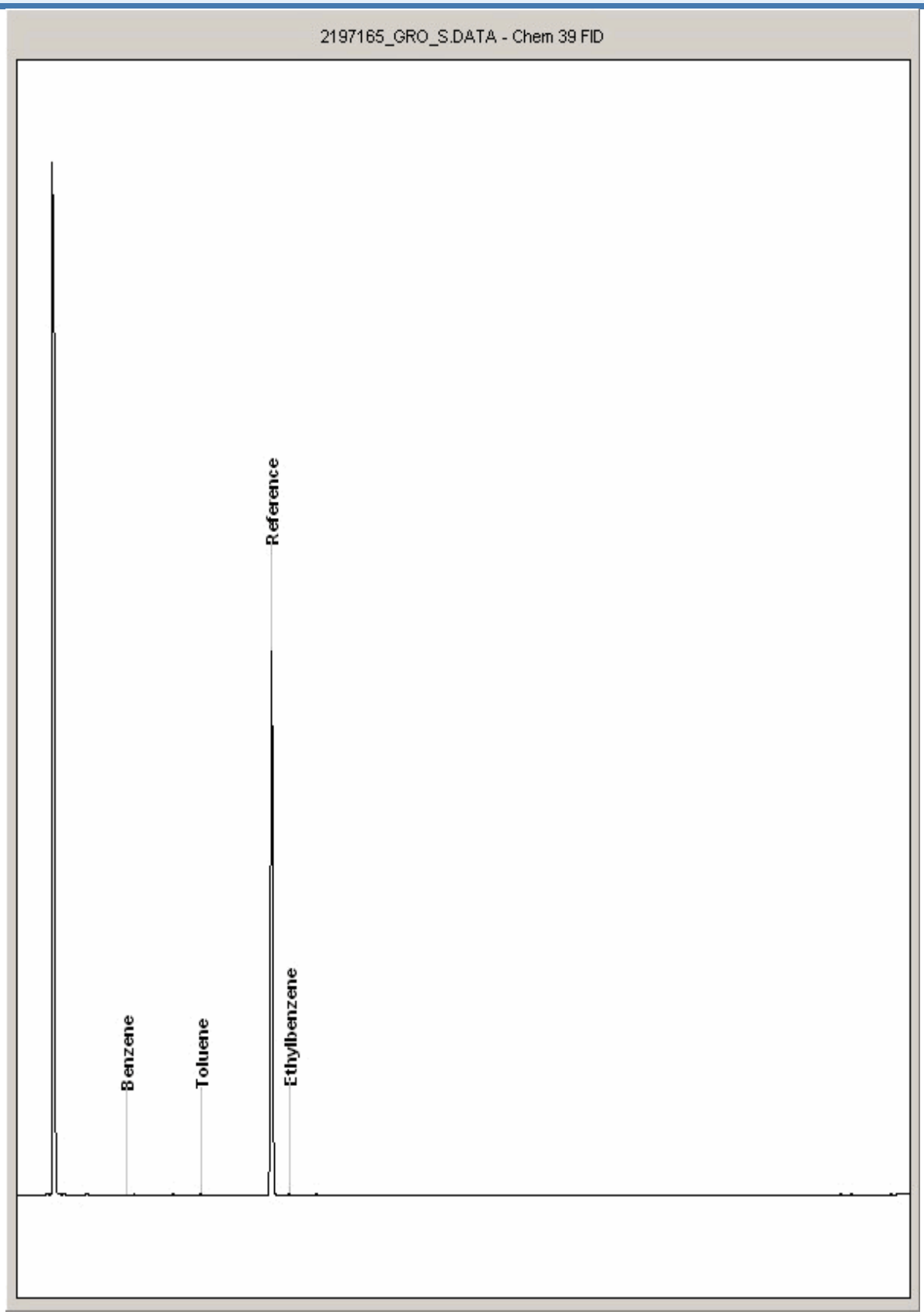


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (S)	**Sample No**	2197165
		Sample ID	ADV2
		Depth	

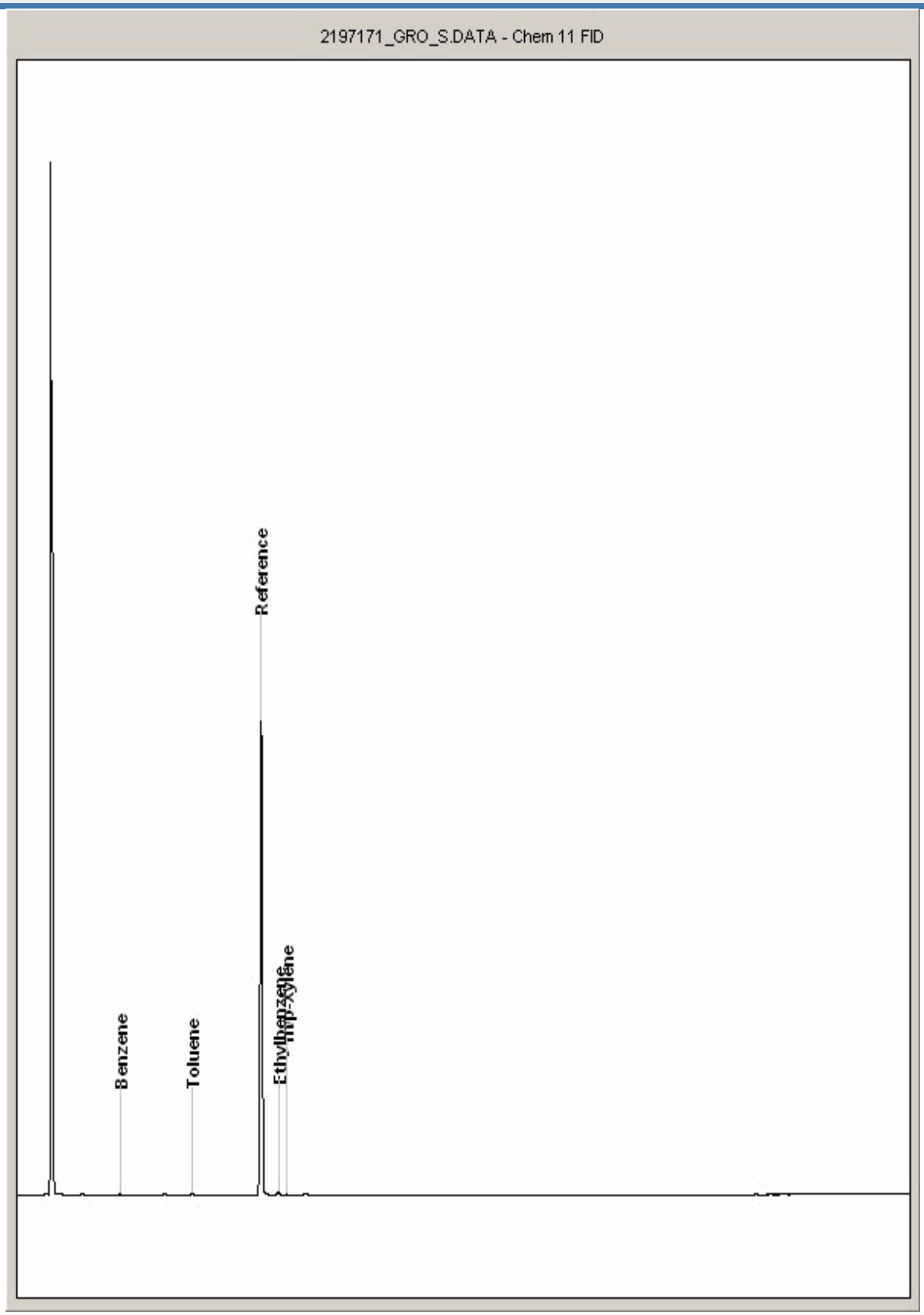


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (S)	**Sample No**	2197171
		Sample ID	ADV3
		Depth	

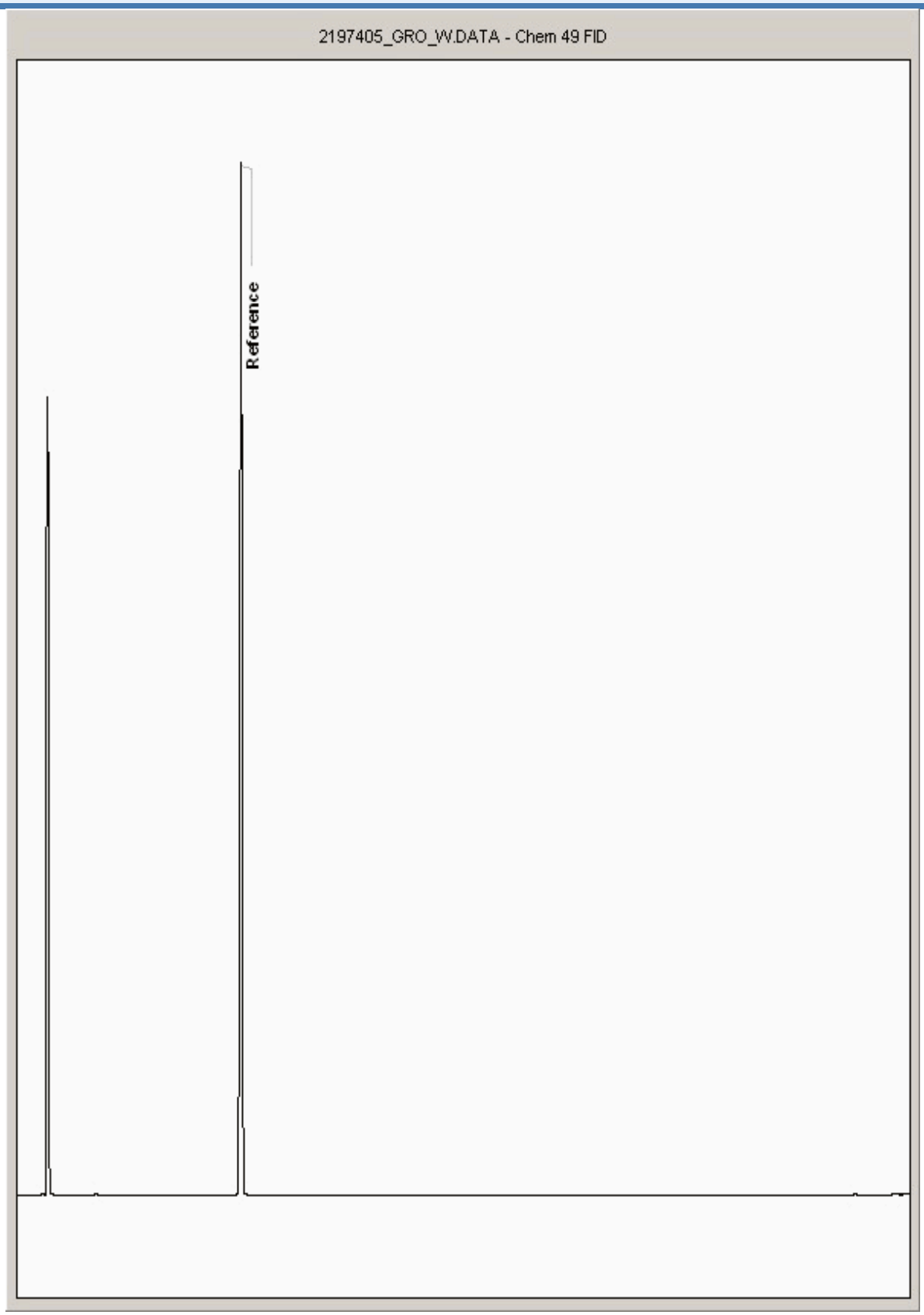


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (W)	**Sample No**	2197405
		Sample ID	36"
		Depth	

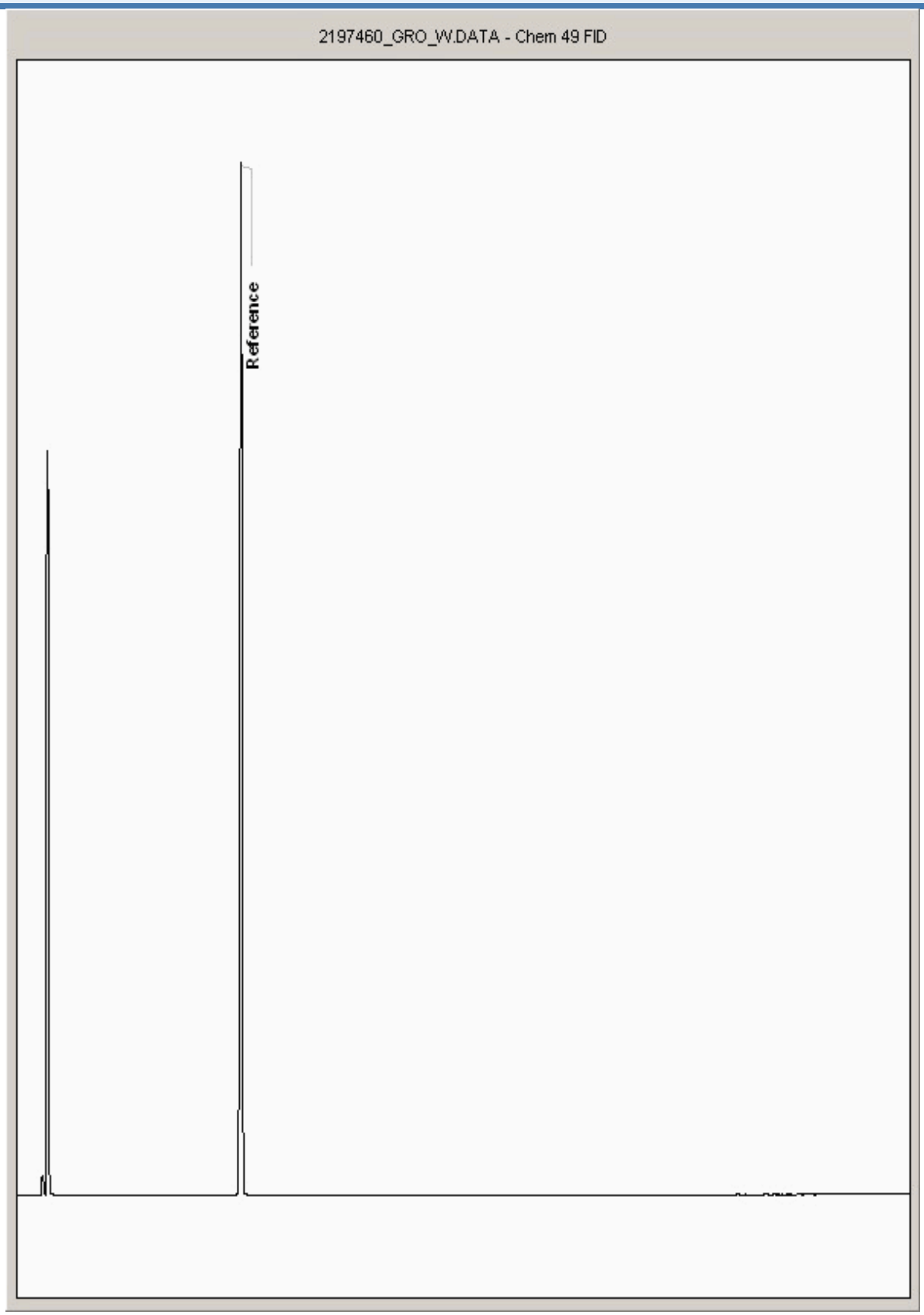


Validated

ALcontrol Laboratories Analytical Services

SDG:	101007-17	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-73	**Attention:**	Richard Western
Client Ref.:		**Order No.:**	CD0055
Location:		**Report No:**	100875

Analysis:	GRO by GC-FID (W)	**Sample No**	2197460
		Sample ID	CBL MANUAL VALVE
		Depth	



National Laboratory Service

Analytical Report

Final Report

Report ID - 20023809 - 1

Batch description: SDG 101007-17 - Permanganate Index

UKAS TESTING
0754

Reported on:
21-Oct-2010

Hawarden Subcontractors
ALcontrol Laboratories Chester
Units 7 & 8 Hawarden Business Park
Off Manor Lane
Hawarden
Deeside
CH5 3US

Dear Hawarden

Please find attached the results for the batch of samples described below.

Samples Registered on:	11-Oct-2010
Results for Batch Number	20023809
Your Purchase Order Number:	113514

You will be invoiced shortly by our accounts department.

If we can be of further assistance then please do not hesitate to contact us.

Yours sincerely



William Fardon
Customer Services Team Leader
Tel: (0113) 231 2177
nls@environment-agency.gov.uk

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation. Details of analytical procedures and performance data are available on request. The date of sample analysis is available on request.

The Environment Agency carries out analytical work to high standards and within the scope of its UKAS accreditation, but has no knowledge of whether the circumstances or the validity of the procedures used to obtain the samples provided to the laboratory were representative of the need for which the information was required.
The Environment Agency and/or its staff does not therefore accept any liability for the consequences of any acts or omissions made on the basis of the analysis or advice or interpretation provided.

National Laboratory Service

Analytical Report

Final Report

Report ID - 20023809 - 1

Batch description: SDG 101007-17 - Permanganate Index

UKAS TESTING
0754

Reported on:
21-Oct-2010

Client:	ALcontrol Laboratories Chester	Project:	Permanganate Index
Folder No:	001444481	Sampled on:	Date Not Supplied
Comments:	2201726 - 2197395 - 36"		
Quote No:	5817	Matrix:	Effluent

Analyte	*Result*	*Units*	*MRV*	*Accred*	*Lab ID*	*Testcode*
Permanganate Index 10 Minutes	2.32	mg/l	*0.5*	None	NM	184
Permanganate Value N/80 4 Hours	2.00	mg/l	*0.5*	UKAS	NM	184

NLS Leeds
Olympia House
Gelderd Lane
Gelderd Road
Leeds LS12 6DD

NLS Llanelli
Penyfai House
19 Penyfai Lane
Furnace, Llanelli
Carms SA15 4EL

NLS Nottingham
Meadow Lane
Nottingham
NG2 3HN

NLS Starcross
Staplake Mount
Starcross
Exeter
EX6 8PE

ENVIRONMENT AGENCY

National Laboratory Service

Analytical Report

Final Report

Report ID - 20023809 - 1

Batch description: SDG 101007-17 - Permanganate Index

UKAS TESTING
0754

Reported on:
21-Oct-2010

Client:	ALcontrol Laboratories Chester	Project:	Permanganate Index
Folder No:	001444482	Sampled on:	Date Not Supplied
Comments:	2201769 - 2197471 - CBL Manual Valve		
Quote No:	5817	Matrix:	Effluent

Analyte	*Result*	*Units*	*MRV*	*Accred*	*Lab ID*	*Testcode*
Permanganate Index 10 Minutes	6.97	mg/l	*0.5*	None	NM	184
Permanganate Value N/80 4 Hours	6.49	mg/l	*0.5*	UKAS	NM	184

National Laboratory Service

Analytical Report

Final Report

Report ID - 20023809 - 1

Batch description: SDG 101007-17 - Permanganate Index

UKAS TESTING
0754

Reported on:
21-Oct-2010

Method Description Summary for all samples in batch Number 20023809

Testcode	Method Reference and Description
184	NM I PV - Permanganate Value - determined by colorimetry



Mark Gale
Laboratory Site Manager

All reporting limits quoted are those achievable for clean samples of the relevant matrix. No allowance is made for instances when dilutions are necessary owing to the nature of the sample or insufficient volume of the sample being available. In these cases higher reporting limits may be quoted and will be above the MRV.

Solid sample results are determined on a "dried" sample fraction except for parameters where the method description identifies that "as received" sample was used.

Please note all samples will be retained for thirty working days after reporting unless otherwise agreed with Customer Services

Key to Accreditation: UKAS = Methodology accredited to ISO/IEC 17025:2005, MCertS = Methodology accredited to MCertS Performance Standard for testing of soils, none = Methodology not accredited
Key to Lab ID: LE = Leeds, LL = Llanelli, NM = Nottingham, SX = Starcross, SC = Sub-Contracted outside NLS, FI = Field Data, NLS = Calculated

END OF TEST REPORT

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

Last updated 1 April 2010

LIQUID MATRICES EXTRACTION SUMMARY

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

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

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

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

ALcontrol Laboratories

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

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

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

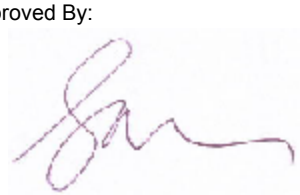
Date:	24 June 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	130613-28
Your Reference:	DiME
Location:	Coed Darcy Urban Village
Report No:	230256

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

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

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

Approved By:



Sonia McWhan

Operations Manager

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

CERTIFICATE OF ANALYSIS

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

Received Sample Overview

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

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

CERTIFICATE OF ANALYSIS

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

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	7577700			7577701			7577704			7577705			7577708		
			Customer Sample Reference	EMB1			EMB2			EMB3			EMB4			EMB5		
			AGS Reference															
			Depth (m)															
			Container	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 5			X			X			X			X				X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 5				X			X			X			X				X
Metals in solid samples by OES	All	NDPs: 0 Tests: 5		X			X			X			X			X			
pH	All	NDPs: 0 Tests: 5			X			X			X			X				X	
Sample description	All	NDPs: 0 Tests: 5		X			X			X			X			X			
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 5		X			X			X			X			X			
Total Organic Carbon	All	NDPs: 5 Tests: 0		N			N			N			N			N			
Total Organic Carbon (Asb)	All	NDPs: 0 Tests: 5		X			X			X			X			X			
TPH CWG GC (S)	All	NDPs: 0 Tests: 5		X			X			X			X			X			
VOC MS (S)	All	NDPs: 0 Tests: 5				X			X			X			X				X

CERTIFICATE OF ANALYSIS

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

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
7577700	EMB1		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7577701	EMB2		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7577704	EMB3		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7577705	EMB4		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
7577708	EMB5		Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

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

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

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

CERTIFICATE OF ANALYSIS

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

Semi Volatile Organic Compounds

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

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

CERTIFICATE OF ANALYSIS

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

Semi Volatile Organic Compounds

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

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

CERTIFICATE OF ANALYSIS

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

TPH CWG (S)

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

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

CERTIFICATE OF ANALYSIS

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

TPH CWG (S)

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

CERTIFICATE OF ANALYSIS

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

VOC MS (S)

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

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

CERTIFICATE OF ANALYSIS

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

VOC MS (S)

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

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

CERTIFICATE OF ANALYSIS

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

VOC MS (S)

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

CERTIFICATE OF ANALYSIS

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

Asbestos Identification - Solid Samples

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	EMB1 SOLID 12/06/2013 00:00:00 130613-28 7577700 TM048	18/06/13	Lauren Sargeant	Loose fibres and AC debris in soil sample	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	EMB2 SOLID 12/06/2013 00:00:00 130613-28 7577701 TM048	18/06/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	EMB3 SOLID 12/06/2013 00:00:00 130613-28 7577704 TM048	18/06/13	Martin Cotterell	Loose fibres and ACM debris in soil sample	Detected (#)	Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	EMB4 SOLID 12/06/2013 00:00:00 130613-28 7577705 TM048	18/06/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	EMB5 SOLID 12/06/2013 00:00:00 130613-28 7577708 TM048	18/06/13	Martin Cotterell	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

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

Notification of NDPs (No determination possible)

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

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

CERTIFICATE OF ANALYSIS

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

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

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

Test Completion Dates

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

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

Appendix
General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

Appendix O. Exploratory Hole Logs (Post remediation Trial Pitting)

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271542E - 196087N	Date
DMV	DMV	Level: -	18/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 2.60m	
Client: St Modwen development			Logged By Alex Mann

Samples In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown gravelly sandy CLAY. Coarse gravel of brick and sandstone (0,0)
0.50	ES					
			0.70			MADE GROUND: Black gravelly sandy CLAY. Coarse gravel of sandstone. Occ pockets of Product (5,2)
			1.20			MADE GROUND: occasional stained (2,2) Brown sandy gravelly CLAY. Coarse gravel of sandstone
2.20	ES		2.20			Very soft grey clay gravelly SAND. Coarse gravel of sandstone. Layer almost liquid in nature and displays heavy sheens (3,3)
			2.60			Trialpit Complete at 2.60 m

Remarks: Pit terminated in very soft sands

Groundwater: Water ingress at 1.2m and saturated at 2.2m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271511E - 195950N	Date
DMV	DMV	Level: -	18/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 2.40m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown gravelly sand (0,0). Coarse gravel of concrete, brick and sandstone with occasional rebar
0.50	ES					
			1.00			Brown sandy gravelly CLAY. Coarse gravel of sandstone
1.50	ES					
			2.40			Trialpit Complete at 2.40 m

Remarks: Pit terminated in natural soils

Groundwater: slight water ingress at 1.0m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271455E - 195932N	Date
DMV	DMV	Level: -	18/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 2.50m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.50	ES					MADE GROUND: Loose brown (0,0) gravelly clayey SAND. Coarse gravel of brick, concrete and rebar
1.50	ES		1.40			MADE GROUND: Brown sandy gravelly (0,0) CLAY. Coarse gravel of brick and occasional concrete and rebar.
			2.00			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			2.50			Trialpit Complete at 2.50 m

Remarks: Pit terminated in natural soils

Groundwater: slight water ingress at 1.6m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271501E - 195990N	Date
DMV	DMV	Level: -	18/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.60m	
Client: St Modwen development			Logged By Alex Mann

Samples In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown gravelly sandy CLAY. Coarse gravel of brick and sandstone (0,0)
0.50	ES					
			2.20			Grey (2,1) very gravelly SAND. Medium to coarse sandstone gravel.
2.50	ES					
2.80	EW					
			3.40			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			3.60			Trialpit Complete at 3.60 m

Remarks: Pit terminated in natural soils

Groundwater: Water ingress at 2.8m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name DMV	Project No. DMV	Co-ords: 271517E - 196042N Level: -	Date 18/05/2012
Location: Coed Darcy		Dimensions: - Depth 3.50m	Scale 1:25
Client: St Modwen development			Logged By Alex Mann

Samples In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m AOD)	Legend	Stratum Description
0.50	ES					MADE GROUND: Brown sandy gravelly (0,0) CLAY. Coarse gravel of brick and sandstone.
2.50	ES		2.50			MADE GROUND: As above but stained (2,1) in places
			3.50			Trialpit Complete at 3.50 m

Scale: 1, 2, 3, 4

Remarks: Pit terminated due to collapse

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271521E - 196100N	Date
DMV	DMV	Level: -	18/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.90m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown sandy gravelly (0,0) CLAY. Coarse gravel of brick and sandstone.
0.50	ES					
			1.00			MADE GROUND: As above but stained (3,1) in places
			1.30			Brown stained light grey (3,3) gravelly clayey SAND. Coarse gravel of sandstone
1.50	ES					
			3.90			Trialpit Complete at 3.90 m

Remarks: Pit terminated due to potential collapse

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name: DMV	Project No.: DMV	Co-ords: 271485E - 196066N Level: -	Date: 18/05/2012
Location: Coed Darcy		Dimensions: - Depth 3.30m	Scale: 1:25
Client: St Modwen development			Logged By: Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.50	ES					MADE GROUND: lightly stained grey (2,1) sandy gravelly CLAY. Coarse gravel of brick and sandstone
			1.40			
1.50	ES					MADE GROUND: mottled orange brown and grey sandy gravelly CLAY (0,0) . Coarse gravel of brick
			2.10			
2.50	ES					Brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			3.30			Trialpit Complete at 3.30 m

Remarks: Pit terminated in natural soils

Groundwater: light water ingress at 1.5m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271452E - 196011N	Date
DMV	DMV	Level: -	18/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 2.60m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Dark brown sandy gravelly CLAY (0,0) .Coarse gravel of sandstone and brick
			0.40			
0.50	ES					MADE GROUND: Brown sandy gravelly CLAY (0,0). Coarse gravel of brick and sandstone with occ rebar.
1.50	ES					
1.90	ES		1.90			Loose sandstone gravel (0,0)
			2.30			Brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			2.60			Trialpit Complete at 2.60 m

Remarks: Pit terminated in natural soils

Groundwater: Water ingress at 1.9m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271407E - 195961N	Date
DMV	DMV	Level: -	18/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.50m	
Client: St Modwen development			Logged By Alex Mann

Samples In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown sandy gravelly CLAY (0,0). Coarse gravel of brick and sandstone.
0.50	ES					
1.50	ES					
			3.40			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			3.50			Trialpit Complete at 3.50 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271361E - 195979N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.70m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown mottled grey in places (1,1) sandy gravelly CLAY. Coarse gravel of concrete, brick and sandstone. Occasional boulders of sandstone
0.50	ES					
1.70	ES					
			3.60			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			3.70			Trialpit Complete at 3.70 m

Remarks: Pit terminated in natural soils

Groundwater: slight water ingress at 1.5m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271410E - 196019N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.50m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown sandy gravelly CLAY (0,0). Coarse gravel of sandstone
			0.40			
0.50	ES					MADE GROUND: as above stained grey (2,1)
			1.30			
1.50	ES					Brown sandy gravelly CLAY. Coarse gravel of sandstone
			2.10			
2.50	ES					As above with occasional localised staining (1.1)
			3.50			Trialpit Complete at 3.50 m

Remarks: Pit terminated in natural soils

Groundwater: seepage at 1.5m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271454E - 196084N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.70m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.50	ES					MADE GROUND: Brown sandy gravelly CLAY (0,0). Coarse gravel of sandstone and brick
			1.20			
1.50	ES					Brown mottled grey (2,1) sandy gravelly CLAY. Coarse gravel of sandstone
			1.70			
2.50	ES					Orange brown occasional grey (1,1) clayey gravelly SAND. Coarse gravel of sandstone
			3.70			Trialpit Complete at 3.70 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271473E - 196113N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
Client: St Modwen development		Depth 3.20m	Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown gravelly clayey SAND (0,0). Coarse gravel of sandstone and brick
			0.40			
0.50	ES					MADE GROUND: stained grey (2,2) clayey gravelty SAND. Coarse gravel of sandstone
1.50	ES					
			2.20			
2.30	EW					Very soft grey clay gravelly SAND. Coarse gravel of sandstone. Layer almost liquid in nature and displays heavy sheens (3,3)
2.50	ES					
			3.20			Trialpit Complete at 3.20 m

Remarks: Pit terminated in soft sands

Groundwater: water ingress with heavy sheen at 2.3m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271437E - 196142N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.80m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown clayey gravelly SAND (0,0). Coarse gravel of sandstone and brick
0.50	ES					
			0.70			MADE GROUND: Grey sandy gravelly CLAY (3,2) Coarse gravel of sandstone and brick
1.20	ES					
			1.50			Brown mottled grey (2,1) sandy gravelly CLAY. Coarse gravel of sandstone
1.70	ES					
			2.00			Grey (3,2) clayey gravelly SAND. Coarse gravel of sandstone
			2.30			Light grey (1,1) gravelly clayey SAND. Coarse gravel of sandstone.
2.50	ES					
			3.80			Trialpit Complete at 3.80 m

Remarks: Pit terminated in natural soils

Groundwater: Water ingress at 0.7m and seepage at 2.3,

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271407E - 196098N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.20m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.50	ES					MADE GROUND: Brown occasionaly stained grey (2,2) sandy gravelly CLAY. Coarse gravel of brick and sandstone
			1.20			MADE GROUND: Brown clayey gravelly SAND (0,0). Coarse gravel of sandstone and brick
1.50	ES					
			3.10			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			3.20			Trialpit Complete at 3.20 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271386E - 196074N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 2.50m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: grey sandy gravelly CLAY (1,1) Coarse gravel of sandstone and brick
			0.30			MADE GROUND: Brown clayey gravelly SAND (0,0). Coarse gravel of sandstone and brick
0.50	ES					
1.40	EW		1.40			MADE GROUND: Grey (2,1) gravel of mudstone and sandstone
1.50	ES					
			2.20			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			2.50			Trialpit Complete at 2.50 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271338E - 196014N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.30m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown sandy gravelly SAND (0,0). Coarse gravel of sandstone and brick
0.50	ES					
			1.00			MADE GROUND: Dark brown sandy gravelly CLAY (0,0) .Coarse gravel of sandstone and brick
1.50	ES					
			2.00			Firm brown slightly clayey gravelly SAND (0,0). Coarse gravel of sandstone
2.50	ES					
			3.30			Trialpit Complete at 3.30 m

Remarks: Pit terminated in natural soils

Groundwater: slight ingress at 0.5m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271359E - 196015N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.70m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: grey/brown sandy gravelly CLAY. Coarse gravel of sandstone and brick
1.00	ES					
			1.80			Orange brown gravelly clayey SAND. Coarse gravel of sandstone
2.00	ES					
			3.70			Trialpit Complete at 3.70 m

1 2 3 4

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271339E - 196067N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.20m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown stained grey (1,1) gravelly clayey SAND. Coarse gravel of brick and sandstone
0.50	ES					
			1.00			Light grey stained grey (3,2) gravelly clayey SAND. Coarse gravel of sandstone.
1.50	ES					
			3.20			Trialpit Complete at 3.20 m

Remarks: Pit terminated due to odour

Groundwater: slight seepage at 2.5m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271417E - 196070N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 4.00m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Grey (1,1) sandy gravelly CLAY. Coarse gravel of brick and sandstone
0.50	ES					
			2.20			
						Orange brown gravelly clayey SAND. Coarse gravel of sandstone. Slight solvent odour (0,2)
2.50	ES					
			3.20			
						Brown sandy gravelly CLAY (0,0). Coarse gravel of sandstone
			4.00			
						Trialpit Complete at 4.00 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271373E - 196102N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.00m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.50	ES					MADE GROUND: Grey (1,1) sandy gravelly CLAY. Coarse gravel of brick and sandstone
2.50	ES		2.50			Brown sandy gravelly CLAY (0,0). Coarse gravel of sandstone
			3.00			Trialpit Complete at 3.00 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271388E - 196124N	Date
DMV	DMV	Level: -	21/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.20m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: brown/grey sandy gravelly CLAY (0,0). Coarse gravel of sandstone and brick
1.00	ES					
			1.80			MADE GROUND: green grey reworked sandy gravels of tank base hardcore
2.00	ES					
			2.20			MADE GROUND: Red brown sandy gravel of brick and demolition rubble occ blue plastic
			2.80			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
3.00	ES					
			3.20			Trialpit Complete at 3.20 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271400E - 196140N	Date
DMV	DMV	Level: -	22/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.30m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown occasionaly stained grey (1,1) sandy gravelly CLAY. Coarse gravel of brick and sandstone. Occasional cobbles of concrete
0.50	ES					
1.50	ES					
2.70	EW					
			3.20			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			3.30			Trialpit Complete at 3.30 m

Remarks: Pit terminated in natural soils

Groundwater: water ingress at 2.7m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271372E - 196142N	Date
DMV	DMV	Level: -	22/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.00m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.50	ES					MADE GROUND: Brown occasionaly stained grey (1,1) sandy gravelly CLAY. Coarse gravel of brick and sandstone. Occasional rebar
1.50	ES					
2.50	EW					
			2.90			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			3.00			Trialpit Complete at 3.00 m

Remarks: Pit terminated in natural soils

Groundwater: water seepage at 2.5m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271357E - 196117N	Date
DMV	DMV	Level: -	22/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.20m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.30	ES					MADE GROUND: Stained grey (2,1) clayey gravelty SAND. Coarse gravel of sandstone
			0.50			MADE GROUND: Brown occasional stained grey (1,1) sandy gravelly CLAY. Coarse gravel of sandstone and brick
1.00	ES					
			1.20			MADE GROUND: green grey reworked sandy gravels of tank base hardcore
1.50	ES					
			1.60			MADE GROUND: Brown occasional stained grey (1,1) sandy gravelly CLAY. Coarse gravel of sandstone and brick
			2.20			MADE GROUND: Brown sandy gravelly CLAY (0,0). Occasional concrete cobbles
2.50	ES					
			3.10			Brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone.
			3.20			Trialpit Complete at 3.20 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271349E - 196144N	Date
DMV	DMV	Level: -	22/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 4.00m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown occasionaly stained grey (1,1) sandy gravelly CLAY. Coarse gravel of brick and sandstone
0.50	ES					
2.00	ES					
			3.60			MADE GROUND: Black fly ash
			3.70			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
3.80	ES					
			4.00			Trialpit Complete at 4.00 m

Remarks: Pit terminated in natural soils

Groundwater: Slight water ingress at 2.5m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271332E - 196128N	Date
DMV	DMV	Level: -	22/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 4.10m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown occasionaly stained grey (1,1) sandy gravelly CLAY. Coarse gravel of brick and sandstone
1.00	ES					
2.00	ES					
2.00	EW					
			4.00			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			4.10			Trialpit Complete at 4.10 m

Remarks: Pit terminated in natural soils

Groundwater: water ingress at 2.0m

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

WS Atkins (Telford) Ltd

Trialpit No

Sheet 1 of 1

Project Name	Project No.	Co-ords: 271329E - 196149N	Date
DMV	DMV	Level: -	22/05/2012
Location: Coed Darcy		Dimensions: -	Scale 1:25
		Depth 3.60m	
Client: St Modwen development			Logged By Alex Mann

Samples		In Situ Testing	Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						MADE GROUND: Brown occasionaly stained grey (1,1) sandy gravelly CLAY. Coarse gravel of brick and sandstone
0.50	ES					
1.50	ES					
3.50	ES		3.50			Orange brown sandy gravelly CLAY (0,0) . Coarse gravel of sandstone
			3.60			Trialpit Complete at 3.60 m

Remarks: Pit terminated in natural soils

Groundwater: No groundwater encountered

AGS

HoleBASE 3.1 (Bld 426.48) Standard Trialpit Log v2 dated 27th Nov 03

Appendix P. Laboratory Analysis (In situ testing)

ALcontrol Laboratories

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

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

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

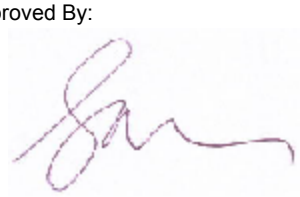
Date:	27 May 2012
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	120520-3
Your Reference:	
Location:	Coed Darcy
Report No:	182407

We received 31 samples on Saturday May 19, 2012 and 31 of these samples were scheduled for analysis which was completed on Sunday May 27, 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

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

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
5611678	DMV001		0.50	18/05/2012
5611686	DMV001		2.20	18/05/2012
5611680	DMV002		0.50	18/05/2012
5611695	DMV002		1.50	18/05/2012
5611685	DMV002		2.50	18/05/2012
5611693	DMV003		0.50	18/05/2012
5611676	DMV003		1.50	18/05/2012
5611674	DMV003		2.50	18/05/2012
5611697	DMV004		0.50	18/05/2012
5611694	DMV004		1.80	18/05/2012
5611683	DMV005		0.50	18/05/2012
5611677	DMV005		1.50	18/05/2012
5611691	DMV006		0.50	18/05/2012
5611690	DMV006		1.50	18/05/2012
5611700	DMV007		0.50	18/05/2012
5611679	DMV007		2.50	18/05/2012
5611675	DMV008		0.50	18/05/2012
5611688	DMV008		2.50	18/05/2012
5611681	DMV009		0.50	18/05/2012
5611689	DMV009		1.50	18/05/2012
5611673	DMV010		0.50	18/05/2012
5611696	DMV010		1.50	18/05/2012
5611687	DMV010		2.50	18/05/2012
5611692	DMV011		0.50	18/05/2012
5611682	DMV011		1.50	18/05/2012
5611698	DMV012		0.50	18/05/2012
5611699	DMV012		1.50	18/05/2012
5611668	DMVW003			18/05/2012
5611669	DMVW004			18/05/2012
5611670	DMVW007			18/05/2012
5611672	DMVW011			18/05/2012

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

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

LIQUID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	5611668		5611669		5611670		5611672	
			Customer Sample Reference	DMVW003		DMVW004		DMVW007		DMVW011	
			AGS Reference								
			Depth (m)								
			Container	1l green glass bottle	1lplastic (ALE221)	Vial (ALE297)	1l green glass bottle	1lplastic (ALE221)	Vial (ALE297)	1l green glass bottle	1lplastic (ALE221)	Vial (ALE297)	1l green glass bottle	1lplastic (ALE221)	Vial (ALE297)
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 4			X			X			X			X	
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 4		X			X			X			X		
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 4		X			X			X			X		
GRO by GC-FID (W)	All	NDPs: 0 Tests: 4				X			X			X			X
Mercury Dissolved	All	NDPs: 0 Tests: 4		X			X			X			X		
pH Value	All	NDPs: 0 Tests: 4			X			X			X			X	
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 4		X			X			X			X		
TPH CWG (W)	All	NDPs: 0 Tests: 4		X			X			X			X		
VOC MS (W)	All	NDPs: 0 Tests: 4				X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5611678	DMV001		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611680	DMV002		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611674	DMV003		2.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611676	DMV003		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611677	DMV005		1.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611679	DMV007		2.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611675	DMV008		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611681	DMV009		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611673	DMV010		0.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			5611682	DMV011		1.50	250g Amber Jar (AL
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Cadmium	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Chromium	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Copper	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Lead	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Mercury	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Nickel	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Selenium	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Vanadium	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Zinc	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sample description	All	NDPs: 0 Tests: 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

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Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 27	5611678	DMV001		0.50	250g Amber Jar (AL)
			5611680	DMV002		0.50	250g Amber Jar (AL)
			5611674	DMV003		2.50	250g Amber Jar (AL)
			5611676	DMV003		1.50	250g Amber Jar (AL)
			5611677	DMV005		1.50	250g Amber Jar (AL)
			5611679	DMV007		2.50	250g Amber Jar (AL)
			5611675	DMV008		0.50	250g Amber Jar (AL)
			5611681	DMV009		0.50	250g Amber Jar (AL)
			5611673	DMV010		0.50	250g Amber Jar (AL)
			5611682	DMV011		1.50	250g Amber Jar (AL)
TPH CWG GC (S)	All	NDPs: 0 Tests: 27	5611678	DMV001		0.50	250g Amber Jar (AL)
			5611680	DMV002		0.50	250g Amber Jar (AL)
			5611674	DMV003		2.50	250g Amber Jar (AL)
			5611676	DMV003		1.50	250g Amber Jar (AL)
			5611677	DMV005		1.50	250g Amber Jar (AL)
			5611679	DMV007		2.50	250g Amber Jar (AL)
			5611675	DMV008		0.50	250g Amber Jar (AL)
			5611681	DMV009		0.50	250g Amber Jar (AL)
			5611673	DMV010		0.50	250g Amber Jar (AL)
			5611682	DMV011		1.50	250g Amber Jar (AL)
VOC MS (S)	All	NDPs: 0 Tests: 27	5611678	DMV001		0.50	60g VOC (ALE215)
			5611680	DMV002		0.50	60g VOC (ALE215)
			5611674	DMV003		2.50	60g VOC (ALE215)
			5611676	DMV003		1.50	60g VOC (ALE215)
			5611677	DMV005		1.50	60g VOC (ALE215)
			5611679	DMV007		2.50	60g VOC (ALE215)
			5611675	DMV008		0.50	60g VOC (ALE215)
			5611681	DMV009		0.50	60g VOC (ALE215)
			5611673	DMV010		0.50	60g VOC (ALE215)
			5611682	DMV011		1.50	60g VOC (ALE215)

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

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Results Legend

X **Test**

N **No Determination Possible**

		Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611685 DMV002 2.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611695 DMV002 1.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611693 DMV003 0.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611694 DMV004 1.80	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611683 DMV005 0.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611690 DMV006 1.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611691 DMV006 0.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611688 DMV008 2.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611689 DMV009 1.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611687 DMV010 2.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611696 DMV010 1.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)	X	
			5611692 DMV011 0.50	250g Amber Jar (AL)		
				400g Tub (ALE214)		
				60g VOC (ALE215)	X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Cadmium	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Chromium	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Copper	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Lead	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Mercury	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Nickel	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Selenium	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Vanadium	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
	Zinc	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
pH	All	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)	X	
				60g VOC (ALE215)	X	
			5611692 DMV011 0.50	250g Amber Jar (AL)		
				400g Tub (ALE214)	X	
				60g VOC (ALE215)		
Sample description	All	NDPs: 0 Tests: 27	5611686 DMV001 2.20	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611685 DMV002 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611695 DMV002 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611693 DMV003 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611694 DMV004 1.80	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611683 DMV005 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611690 DMV006 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611691 DMV006 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611688 DMV008 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611689 DMV009 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611687 DMV010 2.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611696 DMV010 1.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611682 DMV011 1.50	400g Tub (ALE214)		
				60g VOC (ALE215)		
			5611692 DMV011 0.50	250g Amber Jar (AL)	X	
				400g Tub (ALE214)		
				60g VOC (ALE215)		

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 27	5611686	DMV001		2.20	250g Amber Jar (AL)
			5611685	DMV002		2.50	400g Tub (ALE214)
			5611695	DMV002		1.50	60g VOC (ALE215)
			5611693	DMV003		0.50	250g Amber Jar (AL)
			5611694	DMV004		1.80	400g Tub (ALE214)
			5611683	DMV005		0.50	60g VOC (ALE215)
			5611690	DMV006		1.50	250g Amber Jar (AL)
			5611691	DMV006		0.50	400g Tub (ALE214)
			5611688	DMV008		2.50	60g VOC (ALE215)
			5611689	DMV009		1.50	250g Amber Jar (AL)
			5611687	DMV010		2.50	400g Tub (ALE214)
			5611696	DMV010		1.50	60g VOC (ALE215)
			5611682	DMV011		1.50	250g Amber Jar (AL)
			5611692	DMV011		0.50	400g Tub (ALE214)
							60g VOC (ALE215)
TPH CWG GC (S)	All	NDPs: 0 Tests: 27					
VOC MS (S)	All	NDPs: 0 Tests: 27					

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	5611697	5611700	5611696	5611698	5611699
			Customer Sample Reference	DMV004	DMV007	DMV010	DMV012	DMV012
			AGS Reference					
			Depth (m)	0.50	0.50	1.50	0.50	1.50
			Container	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 27		X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 27		X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 27			X		X	X			X				X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 27		X			X			X			X		
	Cadmium	NDPs: 0 Tests: 27		X			X			X			X		
	Chromium	NDPs: 0 Tests: 27		X			X			X			X		
	Copper	NDPs: 0 Tests: 27		X			X			X			X		
	Lead	NDPs: 0 Tests: 27		X			X			X			X		
	Mercury	NDPs: 0 Tests: 27		X			X			X			X		
	Nickel	NDPs: 0 Tests: 27		X			X			X			X		
	Selenium	NDPs: 0 Tests: 27		X			X			X			X		
	Vanadium	NDPs: 0 Tests: 27		X			X			X			X		
	Zinc	NDPs: 0 Tests: 27		X			X			X			X		
pH	All	NDPs: 0 Tests: 27			X		X				X			X	
Sample description	All	NDPs: 0 Tests: 27		X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	5611697	5611700	5611696	5611698	5611699
			Customer Sample Reference	DMV004	DMV007	DMV010	DMV012	DMV012
			AGS Reference					
			Depth (m)	0.50	0.50	1.50	0.50	1.50
			Container	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 27		X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 27		X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 27				X		X	X			X			X

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
5611678	DMV001	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
5611686	DMV001	2.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
5611680	DMV002	0.50	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
5611685	DMV002	2.50	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	Oil/Petroleum
5611695	DMV002	1.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Oil/Petroleum
5611674	DMV003	2.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	None	None
5611676	DMV003	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611693	DMV003	0.50	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
5611694	DMV004	1.80	Light Brown	Sandy Clay	0.1 - 2 mm	Stones	Vegetation
5611697	DMV004	0.50	Light Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
5611677	DMV005	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611683	DMV005	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
5611690	DMV006	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611691	DMV006	0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	None
5611679	DMV007	2.50	Dark Brown	Gravel	2 - 10 mm	Stones	Oil/Petroleum
5611700	DMV007	0.50	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
5611675	DMV008	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611688	DMV008	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611681	DMV009	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611689	DMV009	1.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Oil/Petroleum	Stones
5611673	DMV010	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
5611687	DMV010	2.50	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
5611696	DMV010	1.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	None	None
5611682	DMV011	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611692	DMV011	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611698	DMV012	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5611699	DMV012	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV001	DMV001	DMV002	DMV002	DMV002	DMV003
			Depth (m)	0.50	2.20	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611678	5611686	5611680	5611695	5611685	5611693
			AGS Reference						
pH	1 pH Units	TM133		8 M	9.79 M	11.7 M	7.49 M	6.89 M	8.47 M
Arsenic	<0.6 mg/kg	TM181		17.5 M	7.19 M	13.3 M	35.3 M	10.5 M	<6 M
Cadmium	<0.02 mg/kg	TM181		1.04 M	<0.02 M	0.548 M	0.696 M	0.538 M	<0.2 M
Chromium	<0.9 mg/kg	TM181		25.1 M	14.6 M	16 M	16.1 M	12.7 M	13.2 M
Copper	<1.4 mg/kg	TM181		79.8 M	25.8 M	24.9 M	120 M	19.6 M	<14 M
Lead	<0.7 mg/kg	TM181		254 M	72.5 M	31.9 M	70.5 M	17.5 M	17.9 M
Mercury	<0.14 mg/kg	TM181		1.1 M	<0.14 M	4.76 M	0.697 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.8 M	22.4 M	26.1 M	19.6 M	22.7 M	20.9 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Vanadium	<0.2 mg/kg	TM181		40.4 #	15.2 #	17.1 #	21.4 #	13.7 #	18.1 #
Zinc	<1.9 mg/kg	TM181		312 M	66.2 M	82.5 M	192 M	71.6 M	157 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV003	DMV003	DMV004	DMV004	DMV005	DMV005
			Depth (m)	1.50	2.50	0.50	1.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611676	5611674	5611697	5611694	5611683	5611677
			AGS Reference						
pH	1 pH Units	TM133		9.13 M	7.39 M	8.33 M	6.42 M	8.57 M	7.48 M
Arsenic	<0.6 mg/kg	TM181		28.3 M	17.6 M	5.34 M	22.6 M	9.52 M	8.39 M
Cadmium	<0.02 mg/kg	TM181		0.43 M	1.31 M	0.0742 M	0.356 M	0.263 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		19.8 M	22.8 M	9.42 M	17.9 M	9.02 M	13.3 M
Copper	<1.4 mg/kg	TM181		74 M	24.7 M	11.1 M	13.4 M	29.9 M	15.4 M
Lead	<0.7 mg/kg	TM181		138 M	29.1 M	29.5 M	15.6 M	49.1 M	16.4 M
Mercury	<0.14 mg/kg	TM181		0.481 M	<0.14 M	0.306 M	<0.14 M	0.494 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		49.2 M	17.1 M	7.08 M	25.9 M	7.75 M	29.4 M
Selenium	<1 mg/kg	TM181		1.9 #	<1 #	2 #	<1 #	1.1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.8 #	28.7 #	14.6 #	20.7 #	11.9 #	13.4 #
Zinc	<1.9 mg/kg	TM181		599 M	141 M	77.7 M	90.5 M	139 M	87.5 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV006	DMV006	DMV007	DMV007	DMV008	DMV008
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611691	5611690	5611700	5611679	5611675	5611688
			AGS Reference						
pH	1 pH Units	TM133		9.33 M	7.71 M	8.37 M	10.7 #	7.84 M	8.07 M
Arsenic	<0.6 mg/kg	TM181		14.7 M	9.55 M	18 M	3.26 #	39.1 M	8.76 M
Cadmium	<0.02 mg/kg	TM181		0.133 M	<0.02 M	0.859 M	<0.02 #	0.63 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		19.5 M	16.5 M	24.3 M	6.27 #	17.9 M	11 M
Copper	<1.4 mg/kg	TM181		36.3 M	15.6 M	69.7 M	3.33 #	111 M	16.2 M
Lead	<0.7 mg/kg	TM181		94.7 M	17.9 M	74.7 M	6.54 #	201 M	25.5 M
Mercury	<0.14 mg/kg	TM181		0.36 M	<0.14 M	0.845 M	0.382 #	1.35 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		16.2 M	32.1 M	31.3 M	3.39 #	26.1 M	17.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.47 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		31.9 #	25.3 #	38.7 #	8.32 #	20.4 #	13.8 #
Zinc	<1.9 mg/kg	TM181		294 M	85.9 M	226 M	24.5 #	518 M	93.7 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV009	DMV009	DMV010	DMV010	DMV010	DMV011
			Depth (m)	0.50	1.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611681	5611689	5611673	5611696	5611687	5611692
			AGS Reference						
pH	1 pH Units	TM133		8.07 M	7.38 M	8.15 M	7 M	6.81 M	7.81 M
Arsenic	<0.6 mg/kg	TM181		16.3 M	8.17 M	34.6 M	9.05 M	9.11 M	23.4 M
Cadmium	<0.02 mg/kg	TM181		0.183 M	<0.02 M	1.14 M	<0.02 M	0.433 M	0.317 M
Chromium	<0.9 mg/kg	TM181		18 M	12 M	22.9 M	20.3 M	13 M	16.4 M
Copper	<1.4 mg/kg	TM181		55.6 M	19 M	184 M	12.5 M	15.3 M	59.8 M
Lead	<0.7 mg/kg	TM181		103 M	33.1 M	152 M	16.9 M	16 M	163 M
Mercury	<0.14 mg/kg	TM181		0.651 M	<0.14 M	0.798 M	<0.14 M	1.57 M	0.174 M
Nickel	<0.2 mg/kg	TM181		22.3 M	25.1 M	28.7 M	15.5 M	26.5 M	22.7 M
Selenium	<1 mg/kg	TM181		<1 #	1.19 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		20.6 #	14.1 #	29.1 #	21.9 #	13.1 #	23.3 #
Zinc	<1.9 mg/kg	TM181		253 M	101 M	667 M	35 M	68.8 M	358 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV011	DMV012	DMV012	DMVW003	DMVW004	DMVW007
			Depth (m)	1.50	0.50	1.50	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611682	5611698	5611699	5611668	5611669	5611670
			AGS Reference						
Arsenic (diss.filt)	<0.12 µg/l	TM152					14.8 #	26 #	9.49 #
Cadmium (diss.filt)	<0.1 µg/l	TM152					<0.1 #	<0.1 #	<0.1 #
Chromium (diss.filt)	<0.22 µg/l	TM152					1.03 #	0.48 #	0.253 #
Copper (diss.filt)	<0.85 µg/l	TM152					3.04 #	0.864 #	2.78 #
Lead (diss.filt)	<0.02 µg/l	TM152					0.25 #	0.314 #	<0.02 #
Nickel (diss.filt)	<0.15 µg/l	TM152					5.34 #	4.87 #	4.37 #
Selenium (diss.filt)	<0.39 µg/l	TM152					2.78 #	15.3 #	7.05 #
Vanadium (diss.filt)	<0.24 µg/l	TM152					4.05 #	9.42 #	7.78 #
Zinc (diss.filt)	<0.41 µg/l	TM152					0.485 #	<0.41 #	0.521 #
Mercury (diss.filt)	<0.01 µg/l	TM183					<0.01 #	0.0265 #	0.35 #
pH	<1 pH Units	TM256					8.16 #	10.4 #	10.7 #
pH	1 pH Units	TM133		8.09 M	8.75 M	9.73 M			
Arsenic	<0.6 mg/kg	TM181		33.1 M	14.6 M	17.2 M			
Cadmium	<0.02 mg/kg	TM181		0.323 M	0.0802 M	<0.02 M			
Chromium	<0.9 mg/kg	TM181		22.6 M	21.5 M	18.4 M			
Copper	<1.4 mg/kg	TM181		93.4 M	56.2 M	92.1 M			
Lead	<0.7 mg/kg	TM181		158 M	83.2 M	123 M			
Mercury	<0.14 mg/kg	TM181		<0.14 M	0.351 M	0.399 M			
Nickel	<0.2 mg/kg	TM181		24.6 M	43 M	61 M			
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #			
Vanadium	<0.2 mg/kg	TM181		28.6 #	69.3 #	185 #			
Zinc	<1.9 mg/kg	TM181		652 M	232 M	396 M			

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Customer Sample R			DMVW011					
Depth (m)			.					
Sample Type			Water(GW/SW)					
Date Sampled			18/05/2012					
Sample Time			.					
Date Received			19/05/2012					
SDG Ref			120520-3					
Lab Sample No.(s)			5611672					
AGS Reference								
Component	**LOD/Units**	**Method**						
Arsenic (diss.filt)	<0.12 µg/l	TM152	7.96 #					
Cadmium (diss.filt)	<0.1 µg/l	TM152	<0.1 #					
Chromium (diss.filt)	<0.22 µg/l	TM152	2.85 #					
Copper (diss.filt)	<0.85 µg/l	TM152	1.06 #					
Lead (diss.filt)	<0.02 µg/l	TM152	0.2 #					
Nickel (diss.filt)	<0.15 µg/l	TM152	4.04 #					
Selenium (diss.filt)	<0.39 µg/l	TM152	7.84 #					
Vanadium (diss.filt)	<0.24 µg/l	TM152	4.49 #					
Zinc (diss.filt)	<0.41 µg/l	TM152	<0.41 #					
Mercury (diss.filt)	<0.01 µg/l	TM183	<0.01 #					
pH	<1 pH Units	TM256	8.43 #					

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV001	DMV001	DMV002	DMV002	DMV002	DMV003
			Depth (m)	0.50	2.20	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611678	5611686	5611680	5611695	5611685	5611693
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	415	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	523	265	<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	143	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	589	147	<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	129	<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	748	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	140	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	406	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV001	DMV001	DMV002	DMV002	DMV002	DMV003
			Depth (m)	0.50	2.20	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611678	5611686	5611680	5611695	5611685	5611693
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	1840	<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		405	288	<100	666	249	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	309	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	481	181	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	142	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		550	<100	155	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		611	<100	139	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		515	<100	125	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		599	<100	136	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		455	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		688	<100	219	159	<100	<100
Fluoranthene	<100 µg/kg	TM157		865	<100	302	271	<100	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	1180	272	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		351	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		605	<100	340	1600	284	<100
Pyrene	<100 µg/kg	TM157		771	<100	261	276	<100	<100
Naphthalene	<100 µg/kg	TM157		235	224	<100	947	491	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		122	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV003	DMV003	DMV004	DMV004	DMV005	DMV005
			Depth (m)	1.50	2.50	0.50	1.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611676	5611674	5611697	5611694	5611683	5611677
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	168	<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		183	<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	1210	<100	2690	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV003	DMV003	DMV004	DMV004	DMV005	DMV005
			Depth (m)	1.50	2.50	0.50	1.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611676	5611674	5611697	5611694	5611683	5611677
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		563	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		218	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		152	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		325	<100	141	<100	277	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		302	<100	147	<100	303	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		209	<100	<100	<100	251	<100
Benzo(a)pyrene	<100 µg/kg	TM157		254	<100	140	<100	317	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		193	<100	<100	<100	250	<100
Chrysene	<100 µg/kg	TM157		608	<100	519	183	539	<100
Fluoranthene	<100 µg/kg	TM157		728	<100	183	<100	386	<100
Fluorene	<100 µg/kg	TM157		372	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		152	<100	<100	<100	205	<100
Phenanthrene	<100 µg/kg	TM157		833	<100	<100	288	314	<100
Pyrene	<100 µg/kg	TM157		881	<100	564	135	957	143
Naphthalene	<100 µg/kg	TM157		332	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV006	DMV006	DMV007	DMV007	DMV008	DMV008
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611691	5611690	5611700	5611679	5611675	5611688
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV006	DMV006	DMV007	DMV007	DMV008	DMV008
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611691	5611690	5611700	5611679	5611675	5611688
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	158	442	<200	235
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<200	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	208	<100	783	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	233	<100	1230	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	204	<100	1000	<100
Benzo(a)pyrene	<100 µg/kg	TM157		119	<100	241	<100	1230	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	176	<100	795	<100
Chrysene	<100 µg/kg	TM157		203	<100	276	150	1180	<100
Fluoranthene	<100 µg/kg	TM157		121	<100	344	141	1280	190
Fluorene	<100 µg/kg	TM157		<100	<100	<100	167	<200	262
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	139	<100	684	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	270	314	785	283
Pyrene	<100 µg/kg	TM157		204	<100	330	223	1270	198
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	193	<200	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	262	<100

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV009	DMV009	DMV010	DMV010	DMV010	DMV011
			Depth (m)	0.50	1.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611681	5611689	5611673	5611696	5611687	5611692
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV009	DMV009	DMV010	DMV010	DMV010	DMV011
			Depth (m)	0.50	1.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611681	5611689	5611673	5611696	5611687	5611692
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	552	<100	<100	<100	<200
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
2-Methylnaphthalene	<100 µg/kg	TM157		196	6290	184	<100	<100	<200
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Benzo(a)anthracene	<100 µg/kg	TM157		143	<100	233	<100	<100	<200
Benzo(b)fluoranthene	<100 µg/kg	TM157		150	<100	259	<100	<100	284
Benzo(k)fluoranthene	<100 µg/kg	TM157		130	<100	199	<100	<100	228
Benzo(a)pyrene	<100 µg/kg	TM157		164	<100	255	<100	<100	287
Benzo(g,h,i)perylene	<100 µg/kg	TM157		123	<100	188	<100	<100	241
Chrysene	<100 µg/kg	TM157		197	<100	383	<100	<100	455
Fluoranthene	<100 µg/kg	TM157		214	<100	320	<100	<100	348
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	158	<100	<100	<200
Phenanthrene	<100 µg/kg	TM157		221	<100	269	<100	<100	434
Pyrene	<100 µg/kg	TM157		231	<100	484	<100	<100	576
Naphthalene	<100 µg/kg	TM157		131	6580	<100	<100	<100	<200
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<200

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV011	DMV012	DMV012			
			Depth (m)	1.50	0.50	1.50			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/05/2012	18/05/2012	18/05/2012			
			Sample Time	.	.	.			
			Date Received	19/05/2012	19/05/2012	19/05/2012			
			SDG Ref	120520-3	120520-3	120520-3			
			Lab Sample No.(s)	5611682	5611698	5611699			
			AGS Reference						
Phenol	<100 µg/kg	TM157		<200	<100	<100			
Pentachlorophenol	<100 µg/kg	TM157		<200	<100	<100			
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<200	<100	<100			
Nitrobenzene	<100 µg/kg	TM157		<200	<100	<100			
Isophorone	<100 µg/kg	TM157		<200	<100	<100			
Hexachloroethane	<100 µg/kg	TM157		<200	<100	<100			
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<200	<100	<100			
Hexachlorobutadiene	<100 µg/kg	TM157		<200	<100	<100			
Hexachlorobenzene	<100 µg/kg	TM157		<200	<100	<100			
n-Dioctyl phthalate	<100 µg/kg	TM157		<200	<100	<100			
Dimethyl phthalate	<100 µg/kg	TM157		<200	<100	<100			
Diethyl phthalate	<100 µg/kg	TM157		232	<100	<100			
n-Dibutyl phthalate	<100 µg/kg	TM157		<200	<100	<100			
Dibenzofuran	<100 µg/kg	TM157		<200	<100	<100			
Carbazole	<100 µg/kg	TM157		<200	<100	<100			
Butylbenzyl phthalate	<100 µg/kg	TM157		<200	<100	<100			
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<200	<100	<100			
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<200	<100	<100			
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<200	<100	<100			
Azobenzene	<100 µg/kg	TM157		<200	<100	<100			
4-Nitrophenol	<100 µg/kg	TM157		<200	<100	<100			
4-Nitroaniline	<100 µg/kg	TM157		<200	<100	<100			
4-Methylphenol	<100 µg/kg	TM157		<200	<100	<100			
4-Chlorophenylphenylether	<100 µg/kg	TM157		<200	<100	<100			
4-Chloroaniline	<100 µg/kg	TM157		<200	<100	<100			
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<200	<100	<100			
4-Bromophenylphenylether	<100 µg/kg	TM157		<200	<100	<100			
3-Nitroaniline	<100 µg/kg	TM157		<200	<100	<100			
2-Nitrophenol	<100 µg/kg	TM157		<200	<100	<100			
2-Nitroaniline	<100 µg/kg	TM157		<200	<100	<100			
2-Methylphenol	<100 µg/kg	TM157		<200	<100	<100			
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<200	<100	<100			
2-Chlorophenol	<100 µg/kg	TM157		<200	<100	<100			
2,6-Dinitrotoluene	<100 µg/kg	TM157		<200	<100	<100			
2,4-Dinitrotoluene	<100 µg/kg	TM157		<200	<100	<100			

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV011	DMV012	DMV012			
			Depth (m)	1.50	0.50	1.50			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/05/2012	18/05/2012	18/05/2012			
			Sample Time	.	.	.			
			Date Received	19/05/2012	19/05/2012	19/05/2012			
			SDG Ref	120520-3	120520-3	120520-3			
			Lab Sample No.(s)	5611682	5611698	5611699			
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<200	<100	<100			
2,4-Dichlorophenol	<100 µg/kg	TM157		<200	<100	<100			
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<200	<100	<100			
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<200	<100	<100			
1,4-Dichlorobenzene	<100 µg/kg	TM157		<200	<100	<100			
1,3-Dichlorobenzene	<100 µg/kg	TM157		<200	<100	<100			
1,2-Dichlorobenzene	<100 µg/kg	TM157		<200	<100	<100			
2-Chloronaphthalene	<100 µg/kg	TM157		<200	<100	<100			
2-Methylnaphthalene	<100 µg/kg	TM157		<200	<100	<100			
Acenaphthylene	<100 µg/kg	TM157		<200	<100	<100			
Acenaphthene	<100 µg/kg	TM157		<200	<100	<100			
Anthracene	<100 µg/kg	TM157		<200	<100	<100			
Benzo(a)anthracene	<100 µg/kg	TM157		<200	303	130			
Benzo(b)fluoranthene	<100 µg/kg	TM157		<200	325	162			
Benzo(k)fluoranthene	<100 µg/kg	TM157		<200	272	136			
Benzo(a)pyrene	<100 µg/kg	TM157		<200	320	153			
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<200	232	135			
Chrysene	<100 µg/kg	TM157		380	403	198			
Fluoranthene	<100 µg/kg	TM157		358	565	210			
Fluorene	<100 µg/kg	TM157		<200	<100	<100			
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<200	184	<100			
Phenanthrene	<100 µg/kg	TM157		416	324	180			
Pyrene	<100 µg/kg	TM157		470	520	217			
Naphthalene	<100 µg/kg	TM157		<200	<100	<100			
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<200	<100	<100			

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMVW003	DMVW004	DMVW007	DMVW011		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012		
			Sample Time	.	.	.	.		
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012		
			SDG Ref	120520-3	120520-3	120520-3	120520-3		
			Lab Sample No.(s)	5611668	5611669	5611670	5611672		
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<4	<2	3.81	<4		
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2-Chlorophenol (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<4	<2	4.13	<4		
2-Methylphenol (aq)	<1 µg/l	TM176		<4	<2	1.85	<4		
2-Nitroaniline (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
2-Nitrophenol (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
3-Nitroaniline (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
4-Chloroaniline (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
4-Methylphenol (aq)	<1 µg/l	TM176		<4	<2	3.57	<4		
4-Nitrophenol (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
4-Nitroaniline (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Azobenzene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Acenaphthylene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Acenaphthene (aq)	<1 µg/l	TM176		<4	<2	1.14	<4		
Anthracene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<8	<4	8.91	<8		
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

SVOC MS (W) - Aqueous

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

Component	LOD/Units	Method	Customer Sample R	DMVW003	DMVW004	DMVW007	DMVW011		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012		
			Sample Time	.	.	.	.		
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012		
			SDG Ref	120520-3	120520-3	120520-3	120520-3		
			Lab Sample No.(s)	5611668	5611669	5611670	5611672		
			AGS Reference						
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Carbazole (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Chrysene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Dibenzofuran (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Diethyl phthalate (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Dimethyl phthalate (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<20	<10	<5	<20		
Fluoranthene (aq)	<1 µg/l	TM176		<4	<2	1.21	<4		
Fluorene (aq)	<1 µg/l	TM176		<4	<2	1.95	<4		
Hexachlorobenzene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Pentachlorophenol (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Phenol (aq)	<1 µg/l	TM176		<4	8.42	22.4	<4		
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Hexachloroethane (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Nitrobenzene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Naphthalene (aq)	<1 µg/l	TM176		<4	<2	3.93	<4		
Isophorone (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Phenanthrene (aq)	<1 µg/l	TM176		<4	2.29	2.34	<4		
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<4	<2	<1	<4		
Pyrene (aq)	<1 µg/l	TM176		<4	<2	2.16	<4		

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV001	DMV001	DMV002	DMV002	DMV002	DMV003
			Depth (m)	0.50	2.20	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611678	5611686	5611680	5611695	5611685	5611693
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		61	119	94	109	118	100
GRO >C5-C12	<44 µg/kg	TM089		5520	437000	770	706000	451000	1910
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<100 #	<5 #	<100 #	<100 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<200 M	<10 M	<200 M	<200 M	<10 M
Toluene	<2 µg/kg	TM089		3.39 M	649 M	5.46 M	<40 M	<40 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	6750 M	40.4 M	<60 M	<60 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		7.91 M	13300 M	126 M	<120 M	<120 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<60 M	<3 M	<60 M	<60 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	13300	126	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	20700	172	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		10.2	<200	<10	<200	<200	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		38.4	12200	31.7	12500	24900	160
Aliphatics >C8-C10	<10 µg/kg	TM089		611	130000	186	84500	80500	427
Aliphatics >C10-C12	<10 µg/kg	TM089		2670	113000	147	331000	175000	619
Aliphatics >C12-C16	<100 µg/kg	TM173		25700	14400	5190	536000	135000	17000
Aliphatics >C16-C21	<100 µg/kg	TM173		72400	12800	13500	366000	45200	59200
Aliphatics >C21-C35	<100 µg/kg	TM173		156000	<100	48200	263000	99900	96800
Aliphatics >C35-C44	<100 µg/kg	TM173		41400	<100	11400	53400	44900	22900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		295000	27300	78300	1220000	325000	196000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<200	<10	<200	<200	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	649	<10	<200	<200	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		415	106000	292	56400	53700	285
Aromatics >EC10-EC12	<10 µg/kg	TM089		1780	75000	98.3	221000	117000	414
Aromatics >EC12-EC16	<100 µg/kg	TM173		20600	26500	6800	302000	83100	8490
Aromatics >EC16-EC21	<100 µg/kg	TM173		46200	7990	8170	222000	28400	14400
Aromatics >EC21-EC35	<100 µg/kg	TM173		118000	<100	52600	186000	68000	46500
Aromatics >EC35-EC44	<100 µg/kg	TM173		55800	<100	20400	67900	32400	39500
Aromatics >EC40-EC44	<100 µg/kg	TM173		21600	<100	6340	24800	11300	19200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		241000	34500	87900	777000	212000	109000
Total Aliphatics >C5-35	<100 µg/kg	TM173		257000	282000	67300	1590000	561000	174000
Total Aromatics >C5-35	<100 µg/kg	TM173		187000	217000	68000	987000	350000	70100
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		444000	498000	135000	2580000	910000	244000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		542000	498000	167000	2700000	988000	307000

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV003	DMV003	DMV004	DMV004	DMV005	DMV005
			Depth (m)	1.50	2.50	0.50	1.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611676	5611674	5611697	5611694	5611683	5611677
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		32	82	31	86	39	99
GRO >C5-C12	<44 µg/kg	TM089		8310	7830000 §	1670	825	1800	27300
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		197 #	40000 #	<5 #	<5 #	<5 #	28.9 #
Benzene	<10 µg/kg	TM089		96 M	20300 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<40 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<60 M	6.59 M	3.72 M	4.3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<120 M	<6 M	11.2 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<60 M	<3 M	11.2 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	22.4	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		96	20300	<24	26.1	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		70.8	3050 §	12.1	18.6	<10	11.1
Aliphatics >C6-C8	<10 µg/kg	TM089		4200	2960000 §	69.2	237	52.7	289
Aliphatics >C8-C10	<10 µg/kg	TM089		859	1830000 §	293	141	156	3620
Aliphatics >C10-C12	<10 µg/kg	TM089		1390	1050000 §	656	182	885	12600
Aliphatics >C12-C16	<100 µg/kg	TM173		197000	207000	106000	29500	54300	23800
Aliphatics >C16-C21	<100 µg/kg	TM173		1360000	93800	667000	271000	457000	49600
Aliphatics >C21-C35	<100 µg/kg	TM173		3460000	119000	2910000	1190000	714000	47500
Aliphatics >C35-C44	<100 µg/kg	TM173		323000	112000	363000	160000	180000	6180
Total Aliphatics >C12-C44	<100 µg/kg	TM173		5340000	532000	4040000	1650000	1410000	127000
Aromatics >EC5-EC7	<10 µg/kg	TM089		96	20300 §	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<200 §	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		572	1220000 §	208	122	112	2410
Aromatics >EC10-EC12	<10 µg/kg	TM089		925	702000 §	437	122	590	8380
Aromatics >EC12-EC16	<100 µg/kg	TM173		88100	68300	33800	22600	27400	10300
Aromatics >EC16-EC21	<100 µg/kg	TM173		926000	50200	312000	160000	346000	21400
Aromatics >EC21-EC35	<100 µg/kg	TM173		1820000	232000	1480000	799000	628000	28300
Aromatics >EC35-EC44	<100 µg/kg	TM173		183000	182000	227000	140000	208000	7500
Aromatics >EC40-EC44	<100 µg/kg	TM173		68900	61700	88100	39200	96300	3160
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		3010000	532000	2050000	1120000	1210000	67500
Total Aliphatics >C5-35	<100 µg/kg	TM173		5020000	6270000	3680000	1490000	1230000	137000
Total Aromatics >C5-35	<100 µg/kg	TM173		2830000	2290000	1820000	982000	1000000	70800
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		7860000	8560000	5500000	2470000	2230000	208000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		8360000	8860000	6090000	2770000	2620000	222000

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV006	DMV006	DMV007	DMV007	DMV008	DMV008
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611691	5611690	5611700	5611679	5611675	5611688
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		72	89	65	63	54	97
GRO >C5-C12	<44 µg/kg	TM089		1800	986	184	16200	7280	27700
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	11.9 #	<10 M	115 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 #	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 #	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 #	<6 M	224 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 #	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	224
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	339
Aliphatics >C5-C6	<10 µg/kg	TM089		13.2	10.3	<10	142	17.1	211
Aliphatics >C6-C8	<10 µg/kg	TM089		90.1	61.6	26.9	2560	286	10900
Aliphatics >C8-C10	<10 µg/kg	TM089		238	164	28	3420	1460	5230
Aliphatics >C10-C12	<10 µg/kg	TM089		775	384	60.5	4670	2730	4540
Aliphatics >C12-C16	<100 µg/kg	TM173		34100	17700	156000	23500	121000	167000
Aliphatics >C16-C21	<100 µg/kg	TM173		117000	30000	48900	143000	392000	324000
Aliphatics >C21-C35	<100 µg/kg	TM173		762000	67000	60600	1270000	547000	349000
Aliphatics >C35-C44	<100 µg/kg	TM173		171000	10500	5050	91600	151000	68300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1080000	125000	271000	1530000	1210000	909000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	11.9	<10	115
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		162	109	21.3	2280	971	3710
Aromatics >EC10-EC12	<10 µg/kg	TM089		517	257	40.3	3120	1820	3030
Aromatics >EC12-EC16	<100 µg/kg	TM173		10900	10800	35000	20200	43100	55700
Aromatics >EC16-EC21	<100 µg/kg	TM173		61100	15100	24700	81800	182000	138000
Aromatics >EC21-EC35	<100 µg/kg	TM173		372000	30900	80700	537000	432000	185000
Aromatics >EC35-EC44	<100 µg/kg	TM173		168000	9840	38900	63900	191000	46300
Aromatics >EC40-EC44	<100 µg/kg	TM173		65300	4010	15200	20300	81700	17700
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		612000	66600	179000	703000	849000	425000
Total Aliphatics >C5-35	<100 µg/kg	TM173		914000	115000	266000	1440000	1060000	862000
Total Aromatics >C5-35	<100 µg/kg	TM173		445000	57200	140000	644000	660000	385000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1360000	172000	406000	2090000	1730000	1250000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1700000	193000	450000	2240000	2070000	1360000

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV009	DMV009	DMV010	DMV010	DMV010	DMV011
			Depth (m)	0.50	1.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611681	5611689	5611673	5611696	5611687	5611692
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		68	125	57	122	70	47
GRO >C5-C12	<44 µg/kg	TM089		1320	1400000	8290	119	934	12000
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<100 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<200 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		2.28 M	<40 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		5.7 M	13400 M	<3 M	3.54 M	3.36 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		11.4 M	46200 M	<6 M	11.8 M	7.84 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<60 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		11.4	46200	<9	11.8	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	59600	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		10.3	914	19.6	<10	<10	49.3
Aliphatics >C6-C8	<10 µg/kg	TM089		52.4	30000	490	<10	42.6	1370
Aliphatics >C8-C10	<10 µg/kg	TM089		250	390000	1510	22.4	179	2800
Aliphatics >C10-C12	<10 µg/kg	TM089		494	394000	3150	31.9	346	3540
Aliphatics >C12-C16	<100 µg/kg	TM173		36300	23500	110000	12600	15300	83600
Aliphatics >C16-C21	<100 µg/kg	TM173		145000	28700	324000	2850	15800	359000
Aliphatics >C21-C35	<100 µg/kg	TM173		464000	57500	515000	<100	20800	987000
Aliphatics >C35-C44	<100 µg/kg	TM173		132000	16700	155000	<100	3620	265000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		778000	126000	1100000	15400	55500	1690000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<200	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<200	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		184	320000	1010	31.9	130	1870
Aromatics >EC10-EC12	<10 µg/kg	TM089		328	262000	2100	21.2	231	2360
Aromatics >EC12-EC16	<100 µg/kg	TM173		8980	17700	65400	7810	8730	40000
Aromatics >EC16-EC21	<100 µg/kg	TM173		42600	15000	230000	4140	7650	194000
Aromatics >EC21-EC35	<100 µg/kg	TM173		183000	24700	602000	<100	10100	540000
Aromatics >EC35-EC44	<100 µg/kg	TM173		81900	8460	291000	<100	<100	221000
Aromatics >EC40-EC44	<100 µg/kg	TM173		34700	3050	126000	<100	<100	93400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		317000	65900	1190000	12000	26400	996000
Total Aliphatics >C5-35	<100 µg/kg	TM173		646000	924000	954000	15500	52500	1440000
Total Aromatics >C5-35	<100 µg/kg	TM173		235000	639000	900000	12000	26800	779000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		881000	1560000	1850000	27500	79300	2220000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1100000	1590000	2300000	27500	82900	2700000

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV011	DMV012	DMV012			
			Depth (m)	1.50	0.50	1.50			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/05/2012	18/05/2012	18/05/2012			
			Sample Time	.	.	.			
			Date Received	19/05/2012	19/05/2012	19/05/2012			
			SDG Ref	120520-3	120520-3	120520-3			
			Lab Sample No.(s)	5611682	5611698	5611699			
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		63	75	76			
GRO >C5-C12	<44 µg/kg	TM089		7100	1830	7290			
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #			
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M			
Toluene	<2 µg/kg	TM089		<2 M	4.52 M	<2 M			
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M			
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M			
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M			
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9			
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24			
Aliphatics >C5-C6	<10 µg/kg	TM089		25.3	10.2	11.1			
Aliphatics >C6-C8	<10 µg/kg	TM089		596	120	165			
Aliphatics >C8-C10	<10 µg/kg	TM089		1550	322	1780			
Aliphatics >C10-C12	<10 µg/kg	TM089		2340	688	2490			
Aliphatics >C12-C16	<100 µg/kg	TM173		83500	28100	28700			
Aliphatics >C16-C21	<100 µg/kg	TM173		361000	76000	81100			
Aliphatics >C21-C35	<100 µg/kg	TM173		1260000	258000	367000			
Aliphatics >C35-C44	<100 µg/kg	TM173		335000	76100	122000			
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2040000	439000	599000			
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10			
Aromatics >EC8-EC10	<10 µg/kg	TM089		1030	220	1190			
Aromatics >EC10-EC12	<10 µg/kg	TM089		1560	459	1660			
Aromatics >EC12-EC16	<100 µg/kg	TM173		38900	17300	18800			
Aromatics >EC16-EC21	<100 µg/kg	TM173		177000	50500	55400			
Aromatics >EC21-EC35	<100 µg/kg	TM173		591000	268000	244000			
Aromatics >EC35-EC44	<100 µg/kg	TM173		241000	150000	127000			
Aromatics >EC40-EC44	<100 µg/kg	TM173		101000	59800	50300			
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1050000	486000	445000			
Total Aliphatics >C5-35	<100 µg/kg	TM173		1710000	364000	481000			
Total Aromatics >C5-35	<100 µg/kg	TM173		810000	337000	321000			
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		2520000	700000	803000			
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3090000	927000	1050000			

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMVW003	DMVW004	DMVW007	DMVW011		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012		
			Sample Time	.	.	.	.		
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012		
			SDG Ref	120520-3	120520-3	120520-3	120520-3		
			Lab Sample No.(s)	5611668	5611669	5611670	5611672		
			AGS Reference						
GRO Surrogate % recovery**	%	TM245		109	109	110	110		
GRO >C5-C12	<50 µg/l	TM245		470 #	1140 #	1300 #	441 #		
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		3 #	<3 #	<3 #	<3 #		
Benzene	<7 µg/l	TM245		<7 #	<7 #	<7 #	<7 #		
Toluene	<4 µg/l	TM245		<4 #	<4 #	<4 #	<4 #		
Ethylbenzene	<5 µg/l	TM245		<5 #	<5 #	<5 #	<5 #		
m,p-Xylene	<8 µg/l	TM245		<8 #	<8 #	<8 #	<8 #		
o-Xylene	<3 µg/l	TM245		<3 #	<3 #	5 #	<3 #		
Sum of detected Xylenes	<11 µg/l	TM245		<11	<11	<11	<11		
Sum of detected BTEX	<28 µg/l	TM245		<28	<28	<28	<28		
Aliphatics >C5-C6	<10 µg/l	TM245		<10	<10	150	<10		
Aliphatics >C6-C8	<10 µg/l	TM245		124	730	41	<10		
Aliphatics >C8-C10	<10 µg/l	TM245		75	33	150	37		
Aliphatics >C10-C12	<10 µg/l	TM245		127	208	506	221		
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		1190	1200	2220	6720		
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		4430	4700	4140	7510		
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		13500	7510	33400	6240		
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		19100	13400	39800	20500		
Aromatics >EC5-EC7	<10 µg/l	TM245		<10	<10	<10	<10		
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10	<10	<10		
Aromatics >EC8-EC10	<10 µg/l	TM245		52	24	113	28		
Aromatics >EC10-EC12	<10 µg/l	TM245		84	138	337	147		
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		579	781	768	1880		
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		2550	2680	1890	2950		
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		6020	4080	9990	2280		
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		9150	7540	12600	7110		
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		28700	22100	53700	28000		

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV001	DMV001	DMV002	DMV002	DMV002	DMV003
			Depth (m)	0.50	2.20	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611678	5611686	5611680	5611695	5611685	5611693
			AGS Reference						
Dibromofluoromethane**	%	TM116		102	100	89.5	102	92.5	78.2
Toluene-d8**	%	TM116		94.9	98.8	89.6	90.2	106	95.2
4-Bromofluorobenzene**	%	TM116		128	111	130	116	114	110
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 M	<8 M	<4 M	<8 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<14	<14	<7	<14	<7	<7
Vinyl Chloride	<10 µg/kg	TM116		<20	<20	<10	<20	<10	<10
Bromomethane	<13 µg/kg	TM116		<26 M	<26 M	<13 M	<26 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<28 M	<28 M	<14 M	<28 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<12 M	<12 M	<6 M	<12 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<20 #	<20 #	<10 #	<20 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<14 M	24.8 M	<7 M	37.3 M	23.9 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<20 #	<20 #	<10 #	<20 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22 M	<22 M	<11 M	<22 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<22 M	<22 M	<11 M	<22 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<16 M	<16 M	<8 M	<16 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<10 M	<10 M	<5 M	<10 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<24 M	<12 M	<24 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<28 M	<28 M	<14 M	<28 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<16 M	<16 M	<8 M	<16 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<14 M	<14 M	<7 M	<14 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<22 M	<22 M	<11 M	<22 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<28 M	<14 M	<28 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<10 M	<10 M	<5 M	<10 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<18 M	109 M	<9 M	<18 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<18 M	<18 M	<9 M	<18 M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<24 M	<12 M	<24 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<18 M	<18 M	<9 M	<18 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<14 M	<7 M	<14 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<28 M	<28 M	<14 M	<28 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		17.1 M	331 M	9.28 M	<10 M	<5 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<28	<28	<14	<28	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<20 M	<20 M	<10 M	<20 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<14 #	<14 #	<7 #	<14 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<10 M	<10 M	<5 M	<10 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<26 M	<26 M	<13 M	<26 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV001	DMV001	DMV002	DMV002	DMV002	DMV003
			Depth (m)	0.50	2.20	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611678	5611686	5611680	5611695	5611685	5611693
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<24 M	<24 M	<12 M	<24 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<10 M	<10 M	<5 M	<10 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<20 M	<10 M	<20 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<8 M	3670 M	28.1 M	21.5 M	<4 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		32.7 #	9210 #	98.3 #	48.2 #	22.2 #	<14 #
o-Xylene	<10 µg/kg	TM116		<20 M	610 M	<10 M	<20 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<20 M	<20 M	<10 M	<20 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<20 M	<20 M	<10 M	<20 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<10 M	1290 M	<5 M	1140 M	456 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<20 #	<10 #	<20 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<34 M	<34 M	<17 M	<34 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<20 M	<20 M	<10 M	<20 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<22 M	1740 M	15.5 M	1990 M	535 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<18 M	<18 M	<9 M	<18 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<16 #	3330 #	24.5 #	<16 #	48.4 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<24 M	<24 M	<12 M	<24 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<24 #	<12 #	<24 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		31.4 #	33200 #	94 #	<18 #	90.1 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<20 M	761 M	<10 M	2870 M	974 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<22 M	677 M	<11 M	<22 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<12 M	<12 M	<6 M	<12 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<10 M	<5 M	<10 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<20 M	<20 M	<10 M	4690 M	955 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<24 M	<12 M	<24 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 M	<28 M	<14 M	<28 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<30	<15	<30	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<12 #	<6 #	<12 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<24	<12	<24	<12	<12
Naphthalene	<13 µg/kg	TM116		<26 M	1280 M	<13 M	<26 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<12 M	<12 M	<6 M	<12 M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV003	DMV003	DMV004	DMV004	DMV005	DMV005
			Depth (m)	1.50	2.50	0.50	1.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611676	5611674	5611697	5611694	5611683	5611677
			AGS Reference						
Dibromofluoromethane**	%	TM116		103	104	105	102	105	101
Toluene-d8**	%	TM116		102	109	97.9	102	99.4	98.2
4-Bromofluorobenzene**	%	TM116		111	102	116	115	108	118
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<80 M	<4 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<14	<140	<7
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<20	<200	<10
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<260 M	<13 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<280 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<120 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<200 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		213 M	<140 M	<140 M	20 M	<140 M	10.7 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	65.3 #	<200 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<220 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<220 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<160 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<240 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<280 M	<14 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<16 M	<160 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<140 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<220 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<280 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	3050 M	<100 M	<5 M
Benzene	<9 µg/kg	TM116		252 M	<180 M	<180 M	<18 M	<180 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<180 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<240 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<180 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<14 M	<140 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<280 M	<14 M
Toluene	<5 µg/kg	TM116		121 M	<100 M	<100 M	<10 M	<100 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<28	<280	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<200 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<14 #	<140 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<260 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV003	DMV003	DMV004	DMV004	DMV005	DMV005
			Depth (m)	1.50	2.50	0.50	1.80	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611676	5611674	5611697	5611694	5611683	5611677
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<240 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<200 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<8 M	<80 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<28 #	<280 #	<14 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<200 M	<10 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<200 M	<10 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<200 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	339 M	<100 M	<10 M	<100 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<20 #	<200 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<34 M	<340 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<200 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<220 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<18 M	<180 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<16 #	<160 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<240 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<24 #	<240 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	125 #	<180 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<200 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<22 M	<220 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<120 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<10 M	<100 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<20 M	<200 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<24 M	<240 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<28 M	<280 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<30	<300	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<12 #	<120 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<24	<240	<12
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<26 M	<260 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<12 M	<120 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV006	DMV006	DMV007	DMV007	DMV008	DMV008
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611691	5611690	5611700	5611679	5611675	5611688
			AGS Reference						
Dibromofluoromethane**	%	TM116		101	80.8	89.2	106	105	105
Toluene-d8**	%	TM116		95.7	96.8	95.6	103	96.9	97.7
4-Bromofluorobenzene**	%	TM116		125	129	132	95.1	125	120
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 M	<4 M	<4 M	<80 #	<8 M	<8 M
Chloromethane	<7 µg/kg	TM116		<14	<7	<7	<140	<14	<14
Vinyl Chloride	<10 µg/kg	TM116		<20	<10	<10	<200	<20	<20
Bromomethane	<13 µg/kg	TM116		<26 M	<13 M	<13 M	<260 #	<26 M	<26 M
Chloroethane	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<280 #	<28 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<12 M	<6 M	<6 M	<120 #	<12 M	<12 M
1.1-Dichloroethene	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<200 #	<20 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		17 M	12.3 M	<7 M	<140 #	20.8 M	50.2 M
Dichloromethane	<10 µg/kg	TM116		<20 #	<10 #	15.1 #	<200 #	<20 #	<20 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<220 #	<22 M	<22 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<220 #	<22 M	<22 M
1.1-Dichloroethane	<8 µg/kg	TM116		<16 M	<8 M	<8 M	<160 #	<16 M	<16 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<100 #	<10 M	<10 M
2.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<240 #	<24 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<280 #	<28 M	<28 M
Chloroform	<8 µg/kg	TM116		<16 M	<8 M	<8 M	<160 #	<16 M	<16 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<14 M	<7 M	<7 M	<140 #	<14 M	<14 M
1.1-Dichloropropene	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<220 #	<22 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<280 #	<28 M	<28 M
1.2-Dichloroethane	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<100 #	<10 M	<10 M
Benzene	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<180 #	<18 M	<18 M
Trichloroethene	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<180 #	<18 M	<18 M
1.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<240 #	<24 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<18 M	<9 M	<9 M	<180 #	<18 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<7 M	<7 M	<140 #	<14 M	<14 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<280 #	<28 M	<28 M
Toluene	<5 µg/kg	TM116		<10 M	<5 M	7.02 M	<100 #	12.7 M	<10 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<28	<14	<14	<280	<28	<28
1.1.2-Trichloroethane	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<200 #	<20 M	<20 M
1.3-Dichloropropane	<7 µg/kg	TM116		<14 #	<7 #	<7 #	<140 #	<14 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<100 #	<10 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<26 M	<13 M	<13 M	<260 #	<26 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV006	DMV006	DMV007	DMV007	DMV008	DMV008
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611691	5611690	5611700	5611679	5611675	5611688
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<240 #	<24 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<100 #	<10 M	<10 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<200 #	<20 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<8 M	<4 M	7.45 M	<80 #	<8 M	36.6 M
p/m-Xylene	<14 µg/kg	TM116		<28 #	<14 #	<14 #	<280 #	<28 #	112 #
o-Xylene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<200 #	<20 M	<20 M
Styrene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<200 #	<20 M	<20 M
Bromoform	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<200 #	<20 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<100 #	<10 M	21.5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<10 #	<10 #	<200 #	<20 #	<20 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<34 M	<17 M	<17 M	<340 #	<34 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<200 #	<20 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<220 #	<22 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<18 M	<9 M	12.6 M	<180 #	<18 M	<18 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<16 #	<8 #	<8 #	<160 #	<16 #	45.4 #
4-Chlorotoluene	<12 µg/kg	TM116		<24 M	<12 M	23.7 M	<240 #	<24 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<12 #	<12 #	<240 #	<24 #	<24 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<18 #	<9 #	<9 #	282 #	<18 #	161 #
sec-Butylbenzene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<200 #	<20 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<22 M	<11 M	<11 M	<220 #	<22 M	<22 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<12 M	<6 M	<6 M	<120 #	<12 M	<12 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<5 M	<5 M	<100 #	<10 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<20 M	<10 M	<10 M	<200 #	<20 M	<20 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<12 M	<12 M	<240 #	<24 M	<24 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 M	<14 M	<14 M	<280 #	<28 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<15	<15	<300	<30	<30
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<6 #	<6 #	<120 #	<12 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<12	<12	<240	<24	<24
Naphthalene	<13 µg/kg	TM116		<26 M	<13 M	<13 M	<260 #	<26 M	<26 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<12 M	<6 M	<6 M	<120 #	<12 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV009	DMV009	DMV010	DMV010	DMV010	DMV011
			Depth (m)	0.50	1.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611681	5611689	5611673	5611696	5611687	5611692
			AGS Reference						
Dibromofluoromethane**	%	TM116		88.3	101	105	101	84.7	101
Toluene-d8**	%	TM116		92.8	101	102	100	93	99.7
4-Bromofluorobenzene**	%	TM116		129	103	109	97.6	126	109
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<80 M	<80 M	<4 M	<4 M	<80 M
Chloromethane	<7 µg/kg	TM116		<7	<140	<140	<7	<7	<140
Vinyl Chloride	<10 µg/kg	TM116		<10	<200	<200	<10	<10	<200
Bromomethane	<13 µg/kg	TM116		<13 M	<260 M	<260 M	<13 M	<13 M	<260 M
Chloroethane	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<120 M	<120 M	<6 M	<6 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<200 #	<200 #	<10 #	<10 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		29.3 M	<140 M	<140 M	<7 M	<7 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<200 #	<200 #	<10 #	25.3 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<220 M	<220 M	<11 M	<11 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<220 M	<220 M	<11 M	<11 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<160 M	<160 M	<8 M	<8 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<280 M
Chloroform	<8 µg/kg	TM116		<8 M	<160 M	<160 M	<8 M	<8 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<140 M	<140 M	<7 M	<7 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<220 M	<220 M	<11 M	<11 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	134 M	<100 M
Benzene	<9 µg/kg	TM116		10.7 M	<180 M	<180 M	<9 M	<9 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<180 M	<180 M	<9 M	<9 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<180 M	<180 M	<9 M	<9 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<140 M	<140 M	<7 M	<7 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<280 M
Toluene	<5 µg/kg	TM116		21.4 M	<100 M	<100 M	<5 M	<5 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<280	<280	<14	<14	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<140 #	<140 #	<7 #	<7 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<260 M	<260 M	<13 M	<13 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV009	DMV009	DMV010	DMV010	DMV010	DMV011
			Depth (m)	0.50	1.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611681	5611689	5611673	5611696	5611687	5611692
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		26.5 M	6450 M	<80 M	<4 M	16.2 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		52.2 #	23100 #	<280 #	<14 #	27.5 #	<280 #
o-Xylene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<200 M
Styrene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	5290 M	<100 M	<5 M	<5 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<200 #	<200 #	<10 #	<10 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<340 M	<340 M	<17 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		21.8 M	8060 M	<220 M	<11 M	<11 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<180 M	<180 M	<9 M	<9 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	19100 #	<160 #	<8 #	<8 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<240 #	<240 #	<12 #	<12 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		78.1 #	67200 #	<180 #	<9 #	34.7 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	3920 M	<200 M	<10 M	<10 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	4370 M	<220 M	<11 M	<11 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<120 M	<120 M	<6 M	<6 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<100 M	<100 M	<5 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<200 M	<200 M	<10 M	<10 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<240 M	<240 M	<12 M	<12 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<280 M	<280 M	<14 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<300	<300	<15	<15	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<120 #	<120 #	<6 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<240	<240	<12	<12	<240
Naphthalene	<13 µg/kg	TM116		<13 M	13800 M	<260 M	<13 M	<13 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<120 M	<120 M	<6 M	<6 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV011	DMV012	DMV012			
			Depth (m)	1.50	0.50	1.50			
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid			
			Date Sampled	18/05/2012	18/05/2012	18/05/2012			
			Sample Time	.	.	.			
			Date Received	19/05/2012	19/05/2012	19/05/2012			
			SDG Ref	120520-3	120520-3	120520-3			
			Lab Sample No.(s)	5611682	5611698	5611699			
			AGS Reference						
Dibromofluoromethane**	%	TM116		102	100	103			
Toluene-d8**	%	TM116		96.4	96.4	95.9			
4-Bromofluorobenzene**	%	TM116		129	127	125			
Dichlorodifluoromethane	<4 µg/kg	TM116		<8 M	<8 M	<8 M			
Chloromethane	<7 µg/kg	TM116		<14	<14	<14			
Vinyl Chloride	<10 µg/kg	TM116		<20	<20	<20			
Bromomethane	<13 µg/kg	TM116		<26 M	<26 M	<26 M			
Chloroethane	<14 µg/kg	TM116		<28 M	<28 M	<28 M			
Trichlorofluorormethane	<6 µg/kg	TM116		<12 M	<12 M	<12 M			
1.1-Dichloroethene	<10 µg/kg	TM116		<20 #	<20 #	<20 #			
Carbon Disulphide	<7 µg/kg	TM116		<14 M	<14 M	<14 M			
Dichloromethane	<10 µg/kg	TM116		<20 #	<20 #	<20 #			
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<22 M	<22 M	<22 M			
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<22 M	<22 M	<22 M			
1.1-Dichloroethane	<8 µg/kg	TM116		<16 M	<16 M	19.7 M			
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<10 M	<10 M	<10 M			
2.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<24 M	<24 M			
Bromochloromethane	<14 µg/kg	TM116		<28 M	<28 M	<28 M			
Chloroform	<8 µg/kg	TM116		<16 M	<16 M	<16 M			
1.1.1-Trichloroethane	<7 µg/kg	TM116		<14 M	<14 M	69.5 M			
1.1-Dichloropropene	<11 µg/kg	TM116		<22 M	<22 M	<22 M			
Carbontetrachloride	<14 µg/kg	TM116		<28 M	<28 M	<28 M			
1.2-Dichloroethane	<5 µg/kg	TM116		<10 M	<10 M	<10 M			
Benzene	<9 µg/kg	TM116		<18 M	<18 M	<18 M			
Trichloroethene	<9 µg/kg	TM116		<18 M	<18 M	<18 M			
1.2-Dichloropropane	<12 µg/kg	TM116		<24 M	<24 M	<24 M			
Dibromomethane	<9 µg/kg	TM116		<18 M	<18 M	<18 M			
Bromodichloromethane	<7 µg/kg	TM116		<14 M	<14 M	<14 M			
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<28 M	<28 M	<28 M			
Toluene	<5 µg/kg	TM116		<10 M	14.1 M	<10 M			
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<28	<28	<28			
1.1.2-Trichloroethane	<10 µg/kg	TM116		<20 M	<20 M	<20 M			
1.3-Dichloropropane	<7 µg/kg	TM116		<14 #	<14 #	<14 #			
Tetrachloroethene	<5 µg/kg	TM116		<10 M	<10 M	<10 M			
Dibromochloromethane	<13 µg/kg	TM116		<26 M	<26 M	<26 M			

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV011	DMV012	DMV012
			Depth (m)	1.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	18/05/2012	18/05/2012	18/05/2012
			Sample Time	.	.	.
			Date Received	19/05/2012	19/05/2012	19/05/2012
			SDG Ref	120520-3	120520-3	120520-3
			Lab Sample No.(s)	5611682	5611698	5611699
			AGS Reference			
1.2-Dibromoethane	<12 µg/kg	TM116		<24 M	<24 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<10 M	<10 M	<10 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<20 M	<20 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<8 M	<8 M	<8 M
p/m-Xylene	<14 µg/kg	TM116		<28 #	<28 #	<28 #
o-Xylene	<10 µg/kg	TM116		<20 M	<20 M	<20 M
Styrene	<10 µg/kg	TM116		<20 M	<20 M	<20 M
Bromoform	<10 µg/kg	TM116		<20 M	<20 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<10 M	<10 M	<10 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<20 #	<20 #	<20 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<34 M	<34 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<20 M	<20 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<22 M	<22 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<18 M	<18 M	<18 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<16 #	<16 #	<16 #
4-Chlorotoluene	<12 µg/kg	TM116		<24 M	<24 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<24 #	<24 #	<24 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<18 #	<18 #	<18 #
sec-Butylbenzene	<10 µg/kg	TM116		<20 M	<20 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<22 M	<22 M	<22 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<12 M	<12 M	<12 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<10 M	<10 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<20 M	<20 M	<20 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<24 M	<24 M	<24 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<28 M	<28 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<30	<30	<30
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<12 #	<12 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<24	<24	<24
Naphthalene	<13 µg/kg	TM116		<26 M	<26 M	<26 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<12 M	<12 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMVW003	DMVW004	DMVW007	DMVW011		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012		
			Sample Time	.	.	.	.		
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012		
			SDG Ref	120520-3	120520-3	120520-3	120520-3		
			Lab Sample No.(s)	5611668	5611669	5611670	5611672		
			AGS Reference						
Dibromofluoromethane**	%	TM208		108	104	87.8	108		
Toluene-d8**	%	TM208		99.1	96.2	98.1	99.1		
4-Bromofluorobenzene**	%	TM208		97.5	95.9	97	98.8		
Dichlorodifluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Chloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Vinyl chloride	<1 µg/l	TM208		<1 #	3.73 #	<1 #	<1 #		
Bromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Chloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Carbon disulphide	<1 µg/l	TM208		<1 #	1.29 #	<1 #	1.47 #		
Dichloromethane	<3 µg/l	TM208		<3 #	<3 #	<3 #	<3 #		
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	5.91 #	<1 #		
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
2,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Chloroform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2-Dichloroethane	<1 µg/l	TM208		5.05	3670	3.02	4.17		
Benzene	<1 µg/l	TM208		<1 #	<1 #	2.64 #	<1 #		
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Toluene	<1 µg/l	TM208		<1 #	<1 #	1.67 #	<1 #		
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMVW003	DMVW004	DMVW007	DMVW011		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	18/05/2012	18/05/2012	18/05/2012	18/05/2012		
			Sample Time	.	.	.	.		
			Date Received	19/05/2012	19/05/2012	19/05/2012	19/05/2012		
			SDG Ref	120520-3	120520-3	120520-3	120520-3		
			Lab Sample No.(s)	5611668	5611669	5611670	5611672		
			AGS Reference						
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	1.65 #	<1 #		
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	4.5 #	1.96 #		
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	3.88 #	<1 #		
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Bromoform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1	<1	<1	<1		
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	1.16 #	1.02 #		
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2,4-Trimethylbenzene	<1 µg/l	TM208		1.79 #	1.22 #	5.46 #	2.89 #		
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	1.87 #	<1 #		
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2-Dichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1		
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1	<1		
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Naphthalene	<1 µg/l	TM208		<1 #	2.7 #	3.43 #	<1 #		
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1		

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Notification of Deviating Samples

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12	Target Compounds out of calibration range following maximum dilutions applied
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6	Target Compounds out of calibration range following maximum dilutions applied
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8	Target Compounds out of calibration range following maximum dilutions applied
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10	Target Compounds out of calibration range following maximum dilutions applied
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12	Target Compounds out of calibration range following maximum dilutions applied
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	Aromatics >EC5-EC7	Target Compounds out of calibration range following maximum dilutions applied
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8	Target Compounds out of calibration range following maximum dilutions applied
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	Aromatics >EC8-EC10	Target Compounds out of calibration range following maximum dilutions applied
5623165	DMV003	2.50	SOLID	GRO by GC-FID (S)	GRO >C5-C12	Target Compounds out of calibration range following maximum dilutions applied

Note : Test results may be compromised

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	5611678	5611686	5611680	5611685	5611695	5611674	5611676	5611693	5611694	5611697
Customer Sample Ref.	DMV001	DMV001	DMV002	DMV002	DMV002	DMV003	DMV003	DMV003	DMV004	DMV004
AGS Ref.										
Depth	0.50	2.20	0.50	2.50	1.50	2.50	1.50	0.50	1.80	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	25-May-2012	25-May-2012	25-May-2012	25-May-2012	24-May-2012	25-May-2012	25-May-2012	24-May-2012	25-May-2012	25-May-2012
EPH CWG (Aromatic) GC (S)	25-May-2012	25-May-2012	25-May-2012	25-May-2012	24-May-2012	25-May-2012	25-May-2012	24-May-2012	25-May-2012	25-May-2012
GRO by GC-FID (S)	23-May-2012	23-May-2012	23-May-2012	24-May-2012	23-May-2012	23-May-2012	23-May-2012	24-May-2012	23-May-2012	23-May-2012
Metals by iCap-OES (Soil)	24-May-2012	25-May-2012	24-May-2012	24-May-2012	24-May-2012	25-May-2012	25-May-2012	24-May-2012	24-May-2012	24-May-2012
pH	23-May-2012	24-May-2012	24-May-2012	24-May-2012	23-May-2012	23-May-2012	23-May-2012	24-May-2012	24-May-2012	23-May-2012
Sample description	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012
Semi Volatile Organic Compounds	25-May-2012	23-May-2012	25-May-2012	25-May-2012	25-May-2012	23-May-2012	23-May-2012	25-May-2012	25-May-2012	25-May-2012
TPH CWG GC (S)	25-May-2012	25-May-2012	25-May-2012	25-May-2012	24-May-2012	25-May-2012	25-May-2012	24-May-2012	25-May-2012	25-May-2012
VOC MS (S)	24-May-2012	24-May-2012	24-May-2012	23-May-2012	24-May-2012	24-May-2012	24-May-2012	23-May-2012	24-May-2012	24-May-2012

Lab Sample No(s)	5611677	5611683	5611690	5611691	5611679	5611700	5611675	5611688	5611681	5611689
Customer Sample Ref.	DMV005	DMV005	DMV006	DMV006	DMV007	DMV007	DMV008	DMV008	DMV009	DMV009
AGS Ref.										
Depth	1.50	0.50	1.50	0.50	2.50	0.50	0.50	2.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012
EPH CWG (Aromatic) GC (S)	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012
GRO by GC-FID (S)	23-May-2012	23-May-2012	23-May-2012	23-May-2012	23-May-2012	23-May-2012	23-May-2012	23-May-2012	23-May-2012	23-May-2012
Metals by iCap-OES (Soil)	25-May-2012	24-May-2012	25-May-2012	24-May-2012	24-May-2012	24-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012
pH	24-May-2012	24-May-2012	23-May-2012	23-May-2012	23-May-2012	24-May-2012	23-May-2012	24-May-2012	24-May-2012	23-May-2012
Sample description	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012
Semi Volatile Organic Compounds	24-May-2012	27-May-2012	24-May-2012	25-May-2012	25-May-2012	23-May-2012	23-May-2012	24-May-2012	24-May-2012	24-May-2012
TPH CWG GC (S)	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012
VOC MS (S)	23-May-2012	24-May-2012	23-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012

Lab Sample No(s)	5611673	5611687	5611696	5611682	5611692	5611698	5611699	5611668	5611669	5611670
Customer Sample Ref.	DMV010	DMV010	DMV010	DMV011	DMV011	DMV012	DMV012	DMVW003	DMVW004	DMVW007
AGS Ref.										
Depth	0.50	2.50	1.50	1.50	0.50	0.50	1.50			
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	LIQUID	LIQUID	LIQUID
Dissolved Metals by ICP-MS								24-May-2012	22-May-2012	24-May-2012
EPH CWG (Aliphatic) Aqueous GC (W)								24-May-2012	24-May-2012	24-May-2012
EPH CWG (Aliphatic) GC (S)	25-May-2012	24-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012			
EPH CWG (Aromatic) Aqueous GC (W)								24-May-2012	24-May-2012	24-May-2012
EPH CWG (Aromatic) GC (S)	25-May-2012	24-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012			
GRO by GC-FID (S)	23-May-2012	24-May-2012	24-May-2012	23-May-2012	23-May-2012	23-May-2012	23-May-2012			
GRO by GC-FID (W)								25-May-2012	25-May-2012	25-May-2012
Mercury Dissolved								23-May-2012	23-May-2012	23-May-2012
Metals by iCap-OES (Soil)	24-May-2012	24-May-2012	24-May-2012	25-May-2012	25-May-2012	24-May-2012	24-May-2012			
pH	23-May-2012	24-May-2012	24-May-2012	24-May-2012	23-May-2012	24-May-2012	23-May-2012			
pH Value								22-May-2012	22-May-2012	22-May-2012
Sample description	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012	22-May-2012			
Semi Volatile Organic Compounds	25-May-2012	25-May-2012	24-May-2012	25-May-2012	25-May-2012	24-May-2012	24-May-2012			
SVOC MS (W) - Aqueous								23-May-2012	25-May-2012	25-May-2012
TPH CWG (W)								25-May-2012	25-May-2012	25-May-2012
TPH CWG GC (S)	25-May-2012	24-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012			
VOC MS (S)	24-May-2012	23-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012			
VOC MS (W)								24-May-2012	25-May-2012	24-May-2012

Lab Sample No(s)	5611672
Customer Sample Ref.	DMVW011
AGS Ref.	
Depth	
Type	LIQUID
Dissolved Metals by ICP-MS	22-May-2012
EPH CWG (Aliphatic) Aqueous GC (W)	24-May-2012
EPH CWG (Aromatic) Aqueous GC (W)	24-May-2012
GRO by GC-FID (W)	25-May-2012
Mercury Dissolved	23-May-2012
pH Value	22-May-2012
SVOC MS (W) - Aqueous	25-May-2012
TPH CWG (W)	25-May-2012
VOC MS (W)	24-May-2012

SDG:	120520-3	**Location:**	Coed Darcy	**Order Number:**	CD0248
Job:	H_ATKINS_LDC-38	**Customer:**	Atkins Global Ltd	**Report Number:**	182407
Client Reference:		**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

SOLID MATRICES EXTRACTION SUMMARY

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

LIQUID MATRICES EXTRACTION SUMMARY

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

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

Monitor Phase 43_Validation Pits (May 2012)

Sample	Depth (mbgl)	1,2-Dichloroethane	Cis-1,2-Dichloroethylene	Dichloromethane	Trans-1,2-Dichloroethene	Trichloroethylene	Vinyl chloride	benzene
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DMV001	0.50-	<10	<10	<20	<22	<18	<20	<10
DMV001	2.20-	<10	<10	<20	<22	<18	<20	<200
DMV005	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV005	1.50-	<5	<5	<10	<11	<9	<10	<10
DMV006	0.50-	<10	<10	<20	<22	<18	<20	<10
DMV006	1.50-	<5	<5	<10	<11	<9	<10	<10
DMV007	0.50-	<5	<5	15.1	<11	<9	<10	<10
DMV007	2.50-	<100	<100	<200	<220	<180	<200	11.9
DMV008	0.50-	<10	<10	<20	<22	<18	<20	<10
DMV008	2.50-	<10	<10	<20	<22	<18	<20	115
DMV009	0.50-	<5	<5	<10	<11	<9	<10	<10
DMV009	1.50-	<100	<100	<200	<220	<180	<200	<200
DMV010	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV010	1.50-	<5	<5	<10	<11	<9	<10	<10
DMV010	2.50-	134	<5	25.3	<11	<9	<10	<10
DMV011	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV011	1.50-	<10	<10	<20	<22	<18	<20	<10
DMV012	0.50-	<10	<10	<20	<22	<18	<20	<10
DMV012	1.50-	<10	<10	<20	<22	<18	<20	<10
DMV013	0.50-	699	<100	<200	<220	<180	<200	<10
DMV013	1.70-	553	<100	<200	<220	<180	<200	<10
DMV014	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV014	1.50-	<5	<5	<10	<11	<9	<10	<10
DMV014	2.50-	656	<100	<200	<220	<180	<200	<10
DMV018	0.50-	1120	<100	<200	<220	<180	<200	<10
DMV018	1.50-	8640	<100	<200	<220	<180	<200	<10
DMV019	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV019	1.50-	<100	<100	<200	<220	<180	<200	<10
DMV020	0.50-	<10	<10	<20	<22	<18	<20	<10
DMV020	1.50-	<1000	<1000	<2000	<2200	<1800	<2000	<10
DMV020	2.50-	101	<5	<10	<11	<9	<10	<10
DMV021	1.00-	132	<10	<20	<22	<18	<20	10.8
DMV021	2.00-	214	<10	54.7	<22	<18	<20	<10
DMV022	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV022	1.50-	<100	<100	<200	<220	<180	<200	<100
DMV024	0.50-	1340	<100	552	<220	<180	<200	<10
DMV024	2.50-	674	<100	<200	<220	<180	<200	<10
DMV025	1.00-	1000	<100	231	<220	<180	<200	27.6
DMV025	2.00-	3010	<100	364	<220	<180	<200	<10
DMV025	3.00-	1070	<100	<200	<220	<180	<200	<10
DMV026	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV026	1.50-	<100	<100	<200	<220	<180	<200	<10
DMV026	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV026	1.50-	<100	<100	<200	<220	<180	<200	<10
DMV027	0.50-	<100	<100	<200	<220	<180	<200	17.1
DMV027	1.50-	<100	<100	<200	<220	<180	<200	46.3
DMV028	0.30-	<100	<100	<200	<220	<180	<200	12.3
DMV028	1.00-	<100	<100	<200	<220	<180	<200	<10
DMV028	1.50-	<100	<100	<200	<220	<180	<200	20.7
DMV028	2.50-	76.4	<10	<20	<22	<18	<20	<10
DMV029	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV029	2.00-	<100	<100	<200	<220	<180	<200	<10
DMV029	3.80-	<5	<5	<10	<11	<9	<10	<10
DMV030	1.00-	<100	<100	<200	<220	<180	<200	<10
DMV030	2.00-	<100	<100	<200	<220	<180	<200	23.2
DMV031	0.50-	<100	<100	<200	<220	<180	<200	<10
DMV031	1.50-	<100	<100	<200	<220	<180	<200	<10
DMV031	3.50-	<10	<10	<20	<22	<18	<20	<10
RTC		9100	190000	3100000	330000	220000	780	47000

ALcontrol Laboratories

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

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

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

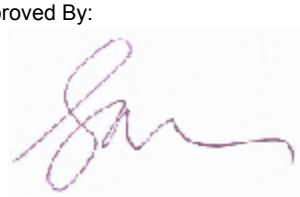
Date:	01 June 2012
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	120523-83
Your Reference:	Not Specified.
Location:	Coed Darcy Urban Village
Report No:	183138

We received 55 samples on Wednesday May 23, 2012 and 54 of these samples were scheduled for analysis which was completed on Friday June 01, 2012. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

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

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
5627568	DMV013		0.50	21/05/2012
5627569	DMV013		1.70	21/05/2012
5627570	DMV014		0.50	21/05/2012
5627571	DMV014		1.50	21/05/2012
5627573	DMV014		2.50	21/05/2012
5627575	DMV015		0.50	21/05/2012
5627576	DMV015		1.50	21/05/2012
5627577	DMV015		2.50	21/05/2012
5627578	DMV016		0.50	21/05/2012
5627579	DMV016		1.50	21/05/2012
5627580	DMV016		2.50	21/05/2012
5627581	DMV017		0.50	21/05/2012
5627582	DMV017		1.20	21/05/2012
5627584	DMV017		1.70	21/05/2012
5627585	DMV017		2.50	21/05/2012
5627586	DMV018		0.50	21/05/2012
5627587	DMV018		1.50	21/05/2012
5627588	DMV019		0.50	21/05/2012
5627589	DMV019		1.50	21/05/2012
5627590	DMV020		0.50	21/05/2012
5627591	DMV020		1.50	21/05/2012
5627592	DMV020		2.50	21/05/2012
5627598	DMV021		1.00	21/05/2012
5627599	DMV021		2.00	21/05/2012
5627601	DMV022		0.50	21/05/2012
5627602	DMV022		1.50	21/05/2012
5627603	DMV023		0.50	21/05/2012
5627604	DMV023		2.50	21/05/2012
5627606	DMV024		0.50	21/05/2012
5627607	DMV024		2.50	21/05/2012
5627608	DMV025		1.00	21/05/2012
5627609	DMV025		2.00	21/05/2012
5627610	DMV025		3.00	21/05/2012
5627611	DMV026		0.50	22/05/2012
5627612	DMV026		1.50	22/05/2012
5627613	DMV027		0.50	22/05/2012
5627614	DMV027		1.50	22/05/2012
5627616	DMV028		0.30	22/05/2012
5627617	DMV028		1.00	22/05/2012
5627618	DMV028		1.50	22/05/2012
5627619	DMV028		2.50	22/05/2012
5627620	DMV029		0.50	22/05/2012
5627621	DMV029		2.00	22/05/2012
5627622	DMV029		3.80	22/05/2012
5627623	DMV030		1.00	22/05/2012
5627624	DMV030		2.00	22/05/2012
5627625	DMV031		0.50	22/05/2012
5627627	DMV031		1.50	22/05/2012
5627628	DMV031		3.50	22/05/2012
5627635	DMV077		0.50	18/05/2012
5627629	DMVW016			21/05/2012
5627630	DMVW019			21/05/2012
5627632	DMVW026			22/05/2012
5627633	DMVW027			22/05/2012
5627634	DMVW030			22/05/2012

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

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

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

LIQUID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5627629	DMVW016			1l green glass bottle
							1lplastic (ALE221)
							Vial (ALE297)
			5627630	DMVW019			1l green glass bottle
							1lplastic (ALE221)
							Vial (ALE297)
			5627632	DMVW026			1l green glass bottle
							1lplastic (ALE221)
							Vial (ALE297)
			5627633	DMVW027			1l green glass bottle
							1lplastic (ALE221)
							Vial (ALE297)
			5627634	DMVW030			1l green glass bottle
							1lplastic (ALE221)
							Vial (ALE297)
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 5		X		X		X		X		X		X
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 5	X		X		X		X		X			
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 5	X		X		X		X		X			
GRO by GC-FID (W)	All	NDPs: 0 Tests: 5		X		X		X		X		X		X
Mercury Dissolved	All	NDPs: 0 Tests: 5	X		X		X		X		X			
pH Value	All	NDPs: 0 Tests: 5		X		X		X		X		X		
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 5	X		X		X		X		X			
TPH CWG (W)	All	NDPs: 0 Tests: 5	X		X		X		X		X			
VOC MS (W)	All	NDPs: 0 Tests: 5		X		X		X		X		X		

CERTIFICATE OF ANALYSIS

Validated

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X — Test

N — No Determination Possible

		Lab Sample No(s)	5627568			5627569			5627570			5627571			5627573			5627575			5627576			5627577			5627578		5627579		5627580		5627581			5627582			5627584			5627585
		Customer Sample Reference	DMV013			DMV013			DMV014			DMV014			DMV014			DMV015			DMV015			DMV015			DMV016		DMV016		DMV016		DMV017			DMV017			DMV017			DMV017
		AGS Reference																																									
		Depth (m)	0.50			1.70			0.50			1.50			2.50			0.50			1.50			2.50			0.50		1.50		2.50		0.50			1.20			1.70			2.50
		Container	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	250g Amber Jar (AL	400g Tub (ALE214)	250g Amber Jar (AL	400g Tub (ALE214)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 49			X			X			X			X			X			X			X			X	X		X		X				X			X			X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Cadmium	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Chromium	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Copper	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Lead	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Mercury	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Nickel	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Selenium	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Vanadium	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
	Zinc	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X
pH	All	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X		X		X		X			X			X		
Sample description	All	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X		X		X		X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 49	5627568	DMV013		0.50	250g Amber Jar (AL)
			5627569	DMV013		1.70	250g Amber Jar (AL)
			5627570	DMV014		0.50	250g Amber Jar (AL)
			5627571	DMV014		1.50	250g Amber Jar (AL)
			5627573	DMV014		2.50	250g Amber Jar (AL)
			5627575	DMV015		0.50	250g Amber Jar (AL)
			5627576	DMV015		1.50	250g Amber Jar (AL)
			5627577	DMV015		2.50	250g Amber Jar (AL)
			5627578	DMV016		0.50	250g Amber Jar (AL)
			5627579	DMV016		1.50	250g Amber Jar (AL)
			5627580	DMV016		2.50	250g Amber Jar (AL)
			5627581	DMV017		0.50	250g Amber Jar (AL)
			5627582	DMV017		1.20	250g Amber Jar (AL)
			5627584	DMV017		1.70	250g Amber Jar (AL)
			5627585	DMV017		2.50	250g Amber Jar (AL)
TPH CWG GC (S)	All	NDPs: 0 Tests: 49	5627568	DMV013		0.50	400g Tub (ALE214)
			5627569	DMV013		1.70	400g Tub (ALE214)
			5627570	DMV014		0.50	400g Tub (ALE214)
			5627571	DMV014		1.50	400g Tub (ALE214)
			5627573	DMV014		2.50	400g Tub (ALE214)
			5627575	DMV015		0.50	400g Tub (ALE214)
			5627576	DMV015		1.50	400g Tub (ALE214)
			5627577	DMV015		2.50	400g Tub (ALE214)
			5627578	DMV016		0.50	400g Tub (ALE214)
			5627579	DMV016		1.50	400g Tub (ALE214)
			5627580	DMV016		2.50	400g Tub (ALE214)
			5627581	DMV017		0.50	400g Tub (ALE214)
			5627582	DMV017		1.20	400g Tub (ALE214)
			5627584	DMV017		1.70	400g Tub (ALE214)
			5627585	DMV017		2.50	400g Tub (ALE214)
VOC MS (S)	All	NDPs: 0 Tests: 49	5627568	DMV013		0.50	60g VOC (ALE215)
			5627569	DMV013		1.70	60g VOC (ALE215)
			5627570	DMV014		0.50	60g VOC (ALE215)
			5627571	DMV014		1.50	60g VOC (ALE215)
			5627573	DMV014		2.50	60g VOC (ALE215)
			5627575	DMV015		0.50	60g VOC (ALE215)
			5627576	DMV015		1.50	60g VOC (ALE215)
			5627577	DMV015		2.50	60g VOC (ALE215)
			5627578	DMV016		0.50	60g VOC (ALE215)
			5627579	DMV016		1.50	60g VOC (ALE215)
			5627580	DMV016		2.50	60g VOC (ALE215)
			5627581	DMV017		0.50	60g VOC (ALE215)
			5627582	DMV017		1.20	60g VOC (ALE215)
			5627584	DMV017		1.70	60g VOC (ALE215)
			5627585	DMV017		2.50	60g VOC (ALE215)

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

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Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5627585	DMV017		2.50	400g Tub (ALE214)
			5627585	DMV017		2.50	60g VOC (ALE215)
			5627586	DMV018		0.50	250g Amber Jar (AL
			5627586	DMV018		0.50	400g Tub (ALE214)
			5627586	DMV018		0.50	60g VOC (ALE215)
			5627587	DMV018		1.50	250g Amber Jar (AL
			5627587	DMV018		1.50	400g Tub (ALE214)
			5627587	DMV018		1.50	60g VOC (ALE215)
			5627588	DMV019		0.50	250g Amber Jar (AL
			5627588	DMV019		0.50	400g Tub (ALE214)
			5627588	DMV019		0.50	60g VOC (ALE215)
			5627589	DMV019		1.50	250g Amber Jar (AL
			5627589	DMV019		1.50	400g Tub (ALE214)
			5627589	DMV019		1.50	60g VOC (ALE215)
			5627590	DMV020		0.50	250g Amber Jar (AL
			5627590	DMV020		0.50	400g Tub (ALE214)
			5627590	DMV020		0.50	60g VOC (ALE215)
			5627591	DMV020		1.50	250g Amber Jar (AL
			5627591	DMV020		1.50	400g Tub (ALE214)
			5627591	DMV020		1.50	60g VOC (ALE215)
			5627592	DMV020		2.50	250g Amber Jar (AL
			5627592	DMV020		2.50	400g Tub (ALE214)
			5627592	DMV020		2.50	60g VOC (ALE215)
			5627598	DMV021		1.00	250g Amber Jar (AL
			5627598	DMV021		1.00	400g Tub (ALE214)
			5627598	DMV021		1.00	60g VOC (ALE215)
			5627599	DMV021		2.00	250g Amber Jar (AL
			5627599	DMV021		2.00	400g Tub (ALE214)
			5627599	DMV021		2.00	60g VOC (ALE215)
			5627601	DMV022		0.50	250g Amber Jar (AL
			5627601	DMV022		0.50	400g Tub (ALE214)
			5627601	DMV022		0.50	60g VOC (ALE215)
			5627602	DMV022		1.50	250g Amber Jar (AL
			5627602	DMV022		1.50	400g Tub (ALE214)
			5627602	DMV022		1.50	60g VOC (ALE215)
			5627603	DMV023		0.50	250g Amber Jar (AL
			5627603	DMV023		0.50	400g Tub (ALE214)
			5627603	DMV023		0.50	60g VOC (ALE215)
			5627604	DMV023		2.50	250g Amber Jar (AL
			5627604	DMV023		2.50	400g Tub (ALE214)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 49		X			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 49		X			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 49	X				
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 49		X			
	Cadmium	NDPs: 0 Tests: 49		X			
	Chromium	NDPs: 0 Tests: 49		X			
	Copper	NDPs: 0 Tests: 49		X			
	Lead	NDPs: 0 Tests: 49		X			
	Mercury	NDPs: 0 Tests: 49		X			
	Nickel	NDPs: 0 Tests: 49		X			
	Selenium	NDPs: 0 Tests: 49		X			
	Vanadium	NDPs: 0 Tests: 49		X			
	Zinc	NDPs: 0 Tests: 49		X			
pH	All	NDPs: 0 Tests: 49	X				
Sample description	All	NDPs: 0 Tests: 49		X			

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

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Results Legend

- X — Test
- N — No Determination Possible

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Semi Volatile Organic Compounds	TPH CWG GC (S)	VOC MS (S)
5627585	DMV017		2.50	400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627586	DMV018		0.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627587	DMV018		1.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627588	DMV019		0.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627589	DMV019		1.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627590	DMV020		0.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627591	DMV020		1.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627592	DMV020		2.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627598	DMV021		1.00	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627599	DMV021		2.00	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627601	DMV022		0.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627602	DMV022		1.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627603	DMV023		0.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			
				60g VOC (ALE215)			X
5627604	DMV023		2.50	250g Amber Jar (AL	X	X	
				400g Tub (ALE214)			

Test		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 49
TPH CWG GC (S)	All	NDPs: 0 Tests: 49
VOC MS (S)	All	NDPs: 0 Tests: 49

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

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Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			5627604	5627606			5627607			5627608			5627609			5627610			5627611			5627612			5627613			5627614			5627616			5627617			5627618			5627619		
Customer Sample Reference			DMV023	DMV024			DMV024			DMV025			DMV025			DMV025			DMV026			DMV026			DMV027			DMV027			DMV028			DMV028			DMV028			DMV028		
AGS Reference																																											
Depth (m)			2.50	0.50			2.50			1.00			2.00			3.00			0.50			1.50			0.50			1.50			0.30			1.00			1.50			2.50		
Container			60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)	250g Amber Jar (AL	400g Tub (ALE214)	60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 49	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Cadmium	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Chromium	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Copper	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Lead	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Mercury	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Nickel	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Selenium	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Vanadium	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
	Zinc	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 49			X			X			X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 49		X			X			X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

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Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 49	5627604	DMV023		2.50	60g VOC (ALE215)
			5627606	DMV024		0.50	250g Amber Jar (AL
			5627607	DMV024		2.50	400g Tub (ALE214)
			5627608	DMV025		1.00	60g VOC (ALE215)
			5627609	DMV025		2.00	250g Amber Jar (AL
			5627610	DMV025		3.00	400g Tub (ALE214)
			5627611	DMV026		0.50	60g VOC (ALE215)
			5627612	DMV026		1.50	250g Amber Jar (AL
			5627613	DMV027		0.50	400g Tub (ALE214)
			5627614	DMV027		1.50	60g VOC (ALE215)
			5627616	DMV028		0.30	250g Amber Jar (AL
			5627617	DMV028		1.00	400g Tub (ALE214)
			5627618	DMV028		1.50	60g VOC (ALE215)
			5627619	DMV028		2.50	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
TPH CWG GC (S)	All	NDPs: 0 Tests: 49	X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 49	X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X
			X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			5627620	DMV029		0.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627621	DMV029		2.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627622	DMV029		3.80	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627623	DMV030		1.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627624	DMV030		2.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627625	DMV031		0.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627627	DMV031		1.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627628	DMV031		3.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 49		X		X		X		X		X		X		X		X		X	X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Cadmium	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Chromium	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Copper	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Lead	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Mercury	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Nickel	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Selenium	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Vanadium	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Zinc	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 49		X		X		X		X		X		X		X		X		X	
Sample description	All	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 49	5627620	DMV029		0.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627621	DMV029		2.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627622	DMV029		3.80	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627623	DMV030		1.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627624	DMV030		2.00	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627625	DMV031		0.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627627	DMV031		1.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
			5627628	DMV031		3.50	250g Amber Jar (AL)
							400g Tub (ALE214)
							60g VOC (ALE215)
TPH CWG GC (S)	All	NDPs: 0 Tests: 49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 49		X		X		X		X		X		X		X		X		X		X

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
5627568	DMV013	0.50	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	None
5627569	DMV013	1.70	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	None
5627570	DMV014	0.50	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
5627571	DMV014	1.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627573	DMV014	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
5627575	DMV015	0.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
5627576	DMV015	1.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627577	DMV015	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Oil/Petroleum	Stones
5627578	DMV016	0.50	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
5627579	DMV016	1.50	Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
5627580	DMV016	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
5627581	DMV017	0.50	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
5627582	DMV017	1.20	Grey	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627584	DMV017	1.70	Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
5627585	DMV017	2.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
5627586	DMV018	0.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
5627587	DMV018	1.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627588	DMV019	0.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	Vegetation
5627589	DMV019	1.50	Grey	Silty Sand	0.1 - 2 mm	Stones	None
5627590	DMV020	0.50	Dark Brown	Loamy Sand	0.063 - 0.1 mm	Stones	None
5627591	DMV020	1.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	None
5627592	DMV020	2.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627598	DMV021	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627599	DMV021	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627601	DMV022	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627602	DMV022	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
5627603	DMV023	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627604	DMV023	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627606	DMV024	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627607	DMV024	2.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627608	DMV025	1.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627609	DMV025	2.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627610	DMV025	3.00	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627611	DMV026	0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627612	DMV026	1.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
5627613	DMV027	0.50	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None
5627614	DMV027	1.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
5627616	DMV028	0.30	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	None

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

			Colour	Description	Grain size	Inclusions	Inclusions 2
5627617	DMV028	1.00	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627618	DMV028	1.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627619	DMV028	2.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627620	DMV029	0.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Vegetation
5627621	DMV029	2.00	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627622	DMV029	3.80	Light Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627623	DMV030	1.00	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627624	DMV030	2.00	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	None
5627625	DMV031	0.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627627	DMV031	1.50	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
5627628	DMV031	3.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV013	DMV013	DMV014	DMV014	DMV014	DMV015
			Depth (m)	0.50	1.70	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627568	5627569	5627570	5627571	5627573	5627575
			AGS Reference						
pH	1 pH Units	TM133		9.93 M	9.76 M	6.67 M	6.91 M	7.03 M	7.6 M
Arsenic	<0.6 mg/kg	TM181		14.3 M	8.94 M	9.17 M	7.45 M	15 M	36.6 M
Cadmium	<0.02 mg/kg	TM181		0.66 M	0.53 M	0.503 M	0.473 M	0.568 M	0.526 M
Chromium	<0.9 mg/kg	TM181		21.5 M	12.3 M	13 M	13.4 M	12.1 M	13.4 M
Copper	<1.4 mg/kg	TM181		49.2 M	16.1 M	17.7 M	12.6 M	191 M	210 M
Lead	<0.7 mg/kg	TM181		99.6 M	27.6 M	15.4 M	12.9 M	123 M	37.3 M
Mercury	<0.14 mg/kg	TM181		6.7 M	0.557 M	<0.14 M	<0.14 M	<0.14 M	0.162 M
Nickel	<0.2 mg/kg	TM181		88.8 M	26.2 M	27 M	26.9 M	24.7 M	21.3 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		609 #	43 #	13.7 #	13.3 #	12.7 #	16.8 #
Zinc	<1.9 mg/kg	TM181		186 M	74.7 M	68.7 M	64.9 M	629 M	261 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV015	DMV015	DMV016	DMV016	DMV016	DMV017
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627576	5627577	5627578	5627579	5627580	5627581
			AGS Reference						
pH	1 pH Units	TM133		7.49 M	6.52 M	8.61 M	5.74 M	4.67 M	7.78 M
Arsenic	<0.6 mg/kg	TM181		9.25 M	8.1 M	25.8 M	7.73 M	7.18 M	32.6 M
Cadmium	<0.02 mg/kg	TM181		0.412 M	0.348 M	1.01 M	0.413 M	0.481 M	1.14 M
Chromium	<0.9 mg/kg	TM181		15 M	11.7 M	19.3 M	10.7 M	12.8 M	21.5 M
Copper	<1.4 mg/kg	TM181		19.3 M	9.98 M	81.5 M	16.8 M	10.7 M	123 M
Lead	<0.7 mg/kg	TM181		15.8 M	10.1 M	147 M	10.4 M	11.4 M	149 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	0.343 M	<0.14 M	<0.14 M	2.13 M
Nickel	<0.2 mg/kg	TM181		27.1 M	24.3 M	24.8 M	21.1 M	24.4 M	26.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		15.5 #	11.6 #	30.4 #	10.6 #	13.1 #	25.2 #
Zinc	<1.9 mg/kg	TM181		70.3 M	53 M	348 M	56.8 M	55.7 M	477 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV017	DMV017	DMV017	DMV018	DMV018	DMV019
			Depth (m)	1.20	1.70	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627582	5627584	5627585	5627586	5627587	5627588
			AGS Reference						
pH	1 pH Units	TM133		6.49 M	6.09 M	6.29 M	7.75 M	5.16 M	7.83 M
Arsenic	<0.6 mg/kg	TM181		6.92 M	8 M	6.08 M	38 M	19.4 M	33 M
Cadmium	<0.02 mg/kg	TM181		0.338 M	0.544 M	0.403 M	1.91 M	0.631 M	1.04 M
Chromium	<0.9 mg/kg	TM181		13 M	10.4 M	12.1 M	35.7 M	14.3 M	20.1 M
Copper	<1.4 mg/kg	TM181		18 M	12 M	12.3 M	176 M	39.6 M	87.8 M
Lead	<0.7 mg/kg	TM181		31.6 M	20.8 M	9.07 M	386 M	69.3 M	121 M
Mercury	<0.14 mg/kg	TM181		0.231 M	<0.14 M	<0.14 M	1.79 M	0.23 M	0.272 M
Nickel	<0.2 mg/kg	TM181		14.9 M	28.5 M	22.3 M	49.5 M	26.5 M	26.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.56 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.4 #	10.3 #	11.9 #	52.4 #	17.5 #	32 #
Zinc	<1.9 mg/kg	TM181		117 M	76.8 M	47.1 M	1140 M	186 M	409 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV019	DMV020	DMV020	DMV020	DMV021	DMV021
			Depth (m)	1.50	0.50	1.50	2.50	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627589	5627590	5627591	5627592	5627598	5627599
			AGS Reference						
pH	1 pH Units	TM133		8.1 M	5.54 M	6.56 M	6.06 M	6.7 M	6.75 M
Arsenic	<0.6 mg/kg	TM181		1.92 M	6.92 M	5.34 M	7.72 M	<6 M	6.81 M
Cadmium	<0.02 mg/kg	TM181		0.263 M	0.45 M	0.25 M	0.299 M	0.681 M	0.441 M
Chromium	<0.9 mg/kg	TM181		6.15 M	13.1 M	13.7 M	14.8 M	15.3 M	11.8 M
Copper	<1.4 mg/kg	TM181		19.6 M	11.7 M	9.77 M	8.41 M	<14 M	10.4 M
Lead	<0.7 mg/kg	TM181		36.2 M	11.1 M	11.9 M	13.4 M	12.7 M	11.9 M
Mercury	<0.14 mg/kg	TM181		0.43 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		5.22 M	21.2 M	28.2 M	27.9 M	39.1 M	22.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<10 #	<1 #
Vanadium	<0.2 mg/kg	TM181		11.6 #	13.9 #	16.5 #	15.7 #	38.8 #	12.4 #
Zinc	<1.9 mg/kg	TM181		127 M	48.1 M	60.3 M	52.6 M	51.9 M	51.6 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

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

Component	LOD/Units	Method	Customer Sample R	DMV022	DMV022	DMV023	DMV023	DMV024	DMV024
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627601	5627602	5627603	5627604	5627606	5627607
			AGS Reference						
pH	1 pH Units	TM133		8.01 M	6.46 M	9.24 M	7.69 M	7.88 M	8.06 M
Arsenic	<0.6 mg/kg	TM181		11.8 M	8.83 M	31.7 M	22 M	53 M	13.5 M
Cadmium	<0.02 mg/kg	TM181		0.388 M	0.49 M	1.03 M	0.655 M	1.37 M	0.429 M
Chromium	<0.9 mg/kg	TM181		15 M	12.1 M	18.9 M	17.5 M	24.2 M	14 M
Copper	<1.4 mg/kg	TM181		27.5 M	10.8 M	107 M	61.1 M	149 M	34.1 M
Lead	<0.7 mg/kg	TM181		40.7 M	13.3 M	194 M	80.6 M	239 M	62.3 M
Mercury	<0.14 mg/kg	TM181		0.173 M	<0.14 M	0.672 M	<0.14 M	0.843 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.4 M	23.6 M	26.7 M	25.8 M	29.3 M	24 M
Selenium	<1 mg/kg	TM181		1.55 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		21 #	13.3 #	22.4 #	28.7 #	29.6 #	16.2 #
Zinc	<1.9 mg/kg	TM181		131 M	63.4 M	607 M	144 M	596 M	182 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV025	DMV025	DMV025	DMV026	DMV026	DMV027
			Depth (m)	1.00	2.00	3.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627608	5627609	5627610	5627611	5627612	5627613
			AGS Reference						
pH	1 pH Units	TM133		8.69 M	10.2 M	8.25 M	7.8 M	10.8 M	7.66 M
Arsenic	<0.6 mg/kg	TM181		26.7 M	2.95 M	8.05 M	37.1 M	34.4 M	33.3 M
Cadmium	<0.02 mg/kg	TM181		0.739 M	0.112 M	0.554 M	1.01 M	0.822 M	1.09 M
Chromium	<0.9 mg/kg	TM181		15.3 M	6.1 M	13.5 M	22.6 M	17.9 M	38.2 M
Copper	<1.4 mg/kg	TM181		222 M	11.4 M	17.7 M	138 M	131 M	90.4 M
Lead	<0.7 mg/kg	TM181		425 M	22.8 M	31.5 M	191 M	193 M	142 M
Mercury	<0.14 mg/kg	TM181		0.69 M	<0.14 M	<0.14 M	0.729 M	0.697 M	0.636 M
Nickel	<0.2 mg/kg	TM181		35.2 M	4.87 M	35.6 M	29.1 M	22.8 M	27 M
Selenium	<1 mg/kg	TM181		1.09 #	<1 #	2.09 #	<1 #	1.12 #	1.21 #
Vanadium	<0.2 mg/kg	TM181		20.5 #	8.34 #	15.1 #	24.8 #	25.6 #	24.2 #
Zinc	<1.9 mg/kg	TM181		1110 M	60.3 M	98.1 M	528 M	468 M	399 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV027	DMV028	DMV028	DMV028	DMV028	DMV029
			Depth (m)	1.50	0.30	1.00	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627614	5627616	5627617	5627618	5627619	5627620
			AGS Reference						
pH	1 pH Units	TM133		9.3 M	7.78 M	8.47 M	8.65 M	11.6 M	7.66 M
Arsenic	<0.6 mg/kg	TM181		16.8 M	30 M	20.2 M	15.6 M	23.1 M	23.9 M
Cadmium	<0.02 mg/kg	TM181		0.406 M	1.06 M	0.667 M	0.373 M	0.796 M	0.97 M
Chromium	<0.9 mg/kg	TM181		11.4 M	22.6 M	22 M	13.2 M	19.9 M	18 M
Copper	<1.4 mg/kg	TM181		68.4 M	161 M	61.4 M	53.6 M	95 M	78.4 M
Lead	<0.7 mg/kg	TM181		98.9 M	211 M	136 M	82.7 M	337 M	129 M
Mercury	<0.14 mg/kg	TM181		0.617 M	1.07 M	<0.14 M	0.816 M	2.46 M	0.234 M
Nickel	<0.2 mg/kg	TM181		9.25 M	49.9 M	26.1 M	12.5 M	30.3 M	29.2 M
Selenium	<1 mg/kg	TM181		<1 #	1.03 #	<1 #	1.19 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.7 #	25.3 #	22.2 #	17 #	54 #	20.1 #
Zinc	<1.9 mg/kg	TM181		321 M	693 M	307 M	284 M	588 M	334 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV029	DMV029	DMV030	DMV030	DMV031	DMV031
			Depth (m)	2.00	3.80	1.00	2.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627621	5627622	5627623	5627624	5627625	5627627
			AGS Reference						
pH	1 pH Units	TM133		7.93 M	7.01 M	7.97 M	7.66 M	8.04 M	8.06 M
Arsenic	<0.6 mg/kg	TM181		25.7 M	7.24 M	27.9 M	38 M	21.5 M	23.7 M
Cadmium	<0.02 mg/kg	TM181		0.998 M	0.41 M	0.929 M	1.07 M	0.779 M	0.84 M
Chromium	<0.9 mg/kg	TM181		17.7 M	12.3 M	19.3 M	42.4 M	17.3 M	17.9 M
Copper	<1.4 mg/kg	TM181		67.4 M	9.25 M	89.6 M	150 M	70.2 M	67 M
Lead	<0.7 mg/kg	TM181		110 M	11.2 M	158 M	137 M	110 M	126 M
Mercury	<0.14 mg/kg	TM181		0.628 M	<0.14 M	1.18 M	0.407 M	6.58 M	1.56 M
Nickel	<0.2 mg/kg	TM181		23.2 M	24.7 M	26.5 M	22.4 M	24.8 M	26.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		22.5 #	11.6 #	24.8 #	46.4 #	17.1 #	18.3 #
Zinc	<1.9 mg/kg	TM181		294 M	59.9 M	406 M	417 M	274 M	264 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV031	DMVW016	DMVW019	DMVW026	DMVW027	DMVW030
			Depth (m)	3.50	.	.	.	.	.
			Sample Type	Soil/Solid	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	22/05/2012	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627628	5627629	5627630	5627632	5627633	5627634
			AGS Reference						
Arsenic (diss.filt)	<0.12 µg/l	TM152			2.85 #	8.5 #	9.94 #	47.2 #	5.34 #
Cadmium (diss.filt)	<0.1 µg/l	TM152			<0.1 #	<0.1 #	<0.1 #	0.157 #	0.271 #
Chromium (diss.filt)	<0.22 µg/l	TM152			2.5 #	4.62 #	0.877 #	0.852 #	1.39 #
Copper (diss.filt)	<0.85 µg/l	TM152			<0.85 #	<0.85 #	22.6 #	3.37 #	16.8 #
Lead (diss.filt)	<0.02 µg/l	TM152			0.084 #	0.301 #	0.51 #	1.12 #	1.18 #
Nickel (diss.filt)	<0.15 µg/l	TM152			3.14 #	2.82 #	11 #	10.8 #	7.4 #
Selenium (diss.filt)	<0.39 µg/l	TM152			3.49 #	5.36 #	3.07 #	11.7 #	2.07 #
Vanadium (diss.filt)	<0.24 µg/l	TM152			0.643 #	3 #	4.93 #	29.3 #	2.12 #
Zinc (diss.filt)	<0.41 µg/l	TM152			0.969 #	<0.41 #	1.73 #	1.4 #	9.76 #
Mercury (diss.filt)	<0.01 µg/l	TM183			<0.01 #	<0.01 #	0.116 #	0.0253 #	0.0869 #
pH	<1 pH Units	TM256			6.75 #	7.61 #	7.99 #	9.47 #	7.79 #
pH	1 pH Units	TM133		8.04 M					
Arsenic	<0.6 mg/kg	TM181		12.1 M					
Cadmium	<0.02 mg/kg	TM181		0.465 M					
Chromium	<0.9 mg/kg	TM181		10.1 M					
Copper	<1.4 mg/kg	TM181		74.6 M					
Lead	<0.7 mg/kg	TM181		57.8 M					
Mercury	<0.14 mg/kg	TM181		0.312 M					
Nickel	<0.2 mg/kg	TM181		19.2 M					
Selenium	<1 mg/kg	TM181		<1 #					
Vanadium	<0.2 mg/kg	TM181		11.2 #					
Zinc	<1.9 mg/kg	TM181		161 M					

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV013	DMV013	DMV014	DMV014	DMV014	DMV015
			Depth (m)	0.50	1.70	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627568	5627569	5627570	5627571	5627573	5627575
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<200	<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	113	<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		262	<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	<200	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV013	DMV013	DMV014	DMV014	DMV014	DMV015
			Depth (m)	0.50	1.70	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627568	5627569	5627570	5627571	5627573	5627575
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		164	<100	<100	<100	118	120
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	155	<100	<100	<100
Anthracene	<100 µg/kg	TM157		148	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		473	<100	<100	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		617	117	<100	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		466	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		535	<100	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		435	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		656	129	<100	<100	<100	<100
Fluoranthene	<100 µg/kg	TM157		734	117	<100	<100	<100	115
Fluorene	<100 µg/kg	TM157		140	<100	462	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		362	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		624	201	171	<100	130	120
Pyrene	<100 µg/kg	TM157		647	114	<100	<100	<100	121
Naphthalene	<100 µg/kg	TM157		126	<100	124	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		160	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV015	DMV015	DMV016	DMV016	DMV016	DMV017
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627576	5627577	5627578	5627579	5627580	5627581
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	265	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	614	<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	174	<100	228	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	131	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	266	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	742	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	201	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	1550	<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	205	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	301	<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	115	<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	202	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	187	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	609	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV015	DMV015	DMV016	DMV016	DMV016	DMV017
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627576	5627577	5627578	5627579	5627580	5627581
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	191	<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	127	<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	1370	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		115	1220	300	18900	123	269
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	274	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	323	<100	265	<100	<100
Anthracene	<100 µg/kg	TM157		<100	1720	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	674	264	<100	<100	456
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	172	316	<100	<100	568
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	150	243	<100	<100	410
Benzo(a)pyrene	<100 µg/kg	TM157		<100	137	329	<100	<100	559
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	244	<100	<100	377
Chrysene	<100 µg/kg	TM157		271	690	510	<100	169	630
Fluoranthene	<100 µg/kg	TM157		<100	184	445	<100	<100	687
Fluorene	<100 µg/kg	TM157		237	906	<100	270	145	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	184	<100	<100	335
Phenanthrene	<100 µg/kg	TM157		662	1750	387	138	544	375
Pyrene	<100 µg/kg	TM157		257	642	596	<100	120	713
Naphthalene	<100 µg/kg	TM157		<100	309	149	4360	<100	131
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV017	DMV017	DMV017	DMV018	DMV018	DMV019
			Depth (m)	1.20	1.70	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627582	5627584	5627585	5627586	5627587	5627588
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<200	<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	206	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	130	<100	283	<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	168
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	<200	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV017	DMV017	DMV017	DMV018	DMV018	DMV019
			Depth (m)	1.20	1.70	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627582	5627584	5627585	5627586	5627587	5627588
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	208	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	186	<100	320
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	137	<100	135	<100	<100
Anthracene	<100 µg/kg	TM157		<100	219	192	229	<100	171
Benzo(a)anthracene	<100 µg/kg	TM157		<100	166	171	1500	685	447
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	1760	773	506
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	1480	512	294
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	1530	623	436
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	1030	347	315
Chrysene	<100 µg/kg	TM157		336	922	152	2070	756	775
Fluoranthene	<100 µg/kg	TM157		<100	138	<100	2640	602	531
Fluorene	<100 µg/kg	TM157		<100	1030	<100	<100	<100	130
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	900	330	257
Phenanthrene	<100 µg/kg	TM157		<100	625	196	1460	163	496
Pyrene	<100 µg/kg	TM157		176	604	<100	1920	555	919
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	151	<100	166
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	314	133	125

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV019	DMV020	DMV020	DMV020	DMV021	DMV021
			Depth (m)	1.50	0.50	1.50	2.50	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627589	5627590	5627591	5627592	5627598	5627599
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<200	<200	<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		1510	<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		<200	<200	<100	<100	<100	306
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	270	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV019	DMV020	DMV020	DMV020	DMV021	DMV021
			Depth (m)	1.50	0.50	1.50	2.50	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627589	5627590	5627591	5627592	5627598	5627599
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		180	<100	113	<100	676	112
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	168	123
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		505	<100	<100	<100	<100	<100
Fluoranthene	<100 µg/kg	TM157		175	<100	<100	<100	<100	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	210	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		271	156	207	<100	458	196
Pyrene	<100 µg/kg	TM157		344	<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:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV022	DMV022	DMV023	DMV023	DMV024	DMV024
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627601	5627602	5627603	5627604	5627606	5627607
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		149	124	140	<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		178	<100	575	<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		265	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	934	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	254	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	676	<100	<100	234	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV022	DMV022	DMV023	DMV023	DMV024	DMV024
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627601	5627602	5627603	5627604	5627606	5627607
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		854	193	733	230	365	<100
Acenaphthylene	<100 µg/kg	TM157		213	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		788	280	224	<100	155	<100
Anthracene	<100 µg/kg	TM157		394	134	256	<100	213	<100
Benzo(a)anthracene	<100 µg/kg	TM157		799	<100	667	<100	663	135
Benzo(b)fluoranthene	<100 µg/kg	TM157		622	<100	674	124	769	179
Benzo(k)fluoranthene	<100 µg/kg	TM157		503	<100	393	<100	486	117
Benzo(a)pyrene	<100 µg/kg	TM157		687	<100	587	<100	735	153
Benzo(g,h,i)perylene	<100 µg/kg	TM157		484	<100	436	<100	567	143
Chrysene	<100 µg/kg	TM157		1330	<100	1350	261	1020	251
Fluoranthene	<100 µg/kg	TM157		1340	<100	858	144	883	224
Fluorene	<100 µg/kg	TM157		675	446	312	<100	168	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		400	<100	371	<100	482	121
Phenanthrene	<100 µg/kg	TM157		871	576	1060	285	658	247
Pyrene	<100 µg/kg	TM157		1500	178	1220	242	1120	309
Naphthalene	<100 µg/kg	TM157		495	340	338	<100	188	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		189	<100	181	<100	202	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV025	DMV025	DMV025	DMV026	DMV026	DMV027
			Depth (m)	1.00	2.00	3.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627608	5627609	5627610	5627611	5627612	5627613
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	156	190	121
Carbazole	<100 µg/kg	TM157		<100	<100	<100	138	175	<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		580	<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	157
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	342
2,4-Dinitrotoluene	<100 µg/kg	TM157		275	<100	<100	<100	<100	336

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV025	DMV025	DMV025	DMV026	DMV026	DMV027
			Depth (m)	1.00	2.00	3.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627608	5627609	5627610	5627611	5627612	5627613
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		687	391	<100	578	561	209
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		193	<100	<100	239	320	167
Anthracene	<100 µg/kg	TM157		229	<100	<100	300	1020	248
Benzo(a)anthracene	<100 µg/kg	TM157		561	168	<100	1370	2700	452
Benzo(b)fluoranthene	<100 µg/kg	TM157		439	210	<100	1710	2630	524
Benzo(k)fluoranthene	<100 µg/kg	TM157		247	<100	<100	1060	1910	377
Benzo(a)pyrene	<100 µg/kg	TM157		405	154	<100	1480	2480	451
Benzo(g,h,i)perylene	<100 µg/kg	TM157		298	<100	<100	957	1420	340
Chrysene	<100 µg/kg	TM157		1280	531	<100	1690	3410	817
Fluoranthene	<100 µg/kg	TM157		729	264	<100	2070	4990	812
Fluorene	<100 µg/kg	TM157		274	139	<100	295	399	277
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		269	<100	<100	912	1300	263
Phenanthrene	<100 µg/kg	TM157		882	469	<100	1010	2840	799
Pyrene	<100 µg/kg	TM157		1130	401	<100	1800	3960	915
Naphthalene	<100 µg/kg	TM157		252	126	<100	359	357	161
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		130	<100	<100	357	491	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV027	DMV028	DMV028	DMV028	DMV028	DMV029
			Depth (m)	1.50	0.30	1.00	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627614	5627616	5627617	5627618	5627619	5627620
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	402	<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	160	<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	279	<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	145	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	352	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	406	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV027	DMV028	DMV028	DMV028	DMV028	DMV029
			Depth (m)	1.50	0.30	1.00	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627614	5627616	5627617	5627618	5627619	5627620
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		536	227	<100	225	131	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	288	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	350	<100	<100	130	<100
Benzo(a)anthracene	<100 µg/kg	TM157		382	549	241	170	569	122
Benzo(b)fluoranthene	<100 µg/kg	TM157		410	603	309	225	777	155
Benzo(k)fluoranthene	<100 µg/kg	TM157		274	476	249	185	595	131
Benzo(a)pyrene	<100 µg/kg	TM157		323	604	310	193	713	152
Benzo(g,h,i)perylene	<100 µg/kg	TM157		302	441	232	182	508	135
Chrysene	<100 µg/kg	TM157		1230	892	308	365	751	219
Fluoranthene	<100 µg/kg	TM157		478	1060	413	253	942	231
Fluorene	<100 µg/kg	TM157		141	387	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		251	333	189	148	421	<100
Phenanthrene	<100 µg/kg	TM157		520	1150	289	258	586	287
Pyrene	<100 µg/kg	TM157		817	1110	321	302	794	273
Naphthalene	<100 µg/kg	TM157		177	190	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	117	<100	<100	137	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV029	DMV029	DMV030	DMV030	DMV031	DMV031
			Depth (m)	2.00	3.80	1.00	2.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627621	5627622	5627623	5627624	5627625	5627627
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	175
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	262
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	121
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	219
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	212

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DMV029	DMV029	DMV030	DMV030	DMV031	DMV031
			Depth (m)	2.00	3.80	1.00	2.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627621	5627622	5627623	5627624	5627625	5627627
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		133	<100	167	<100	180	210
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	138	466
Anthracene	<100 µg/kg	TM157		<100	<100	225	124	212	562
Benzo(a)anthracene	<100 µg/kg	TM157		312	<100	989	589	1220	1660
Benzo(b)fluoranthene	<100 µg/kg	TM157		373	<100	1280	638	2020	1930
Benzo(k)fluoranthene	<100 µg/kg	TM157		329	<100	985	510	1410	1460
Benzo(a)pyrene	<100 µg/kg	TM157		366	<100	1120	585	1790	1760
Benzo(g,h,i)perylene	<100 µg/kg	TM157		300	<100	827	364	1260	970
Chrysene	<100 µg/kg	TM157		579	<100	1370	776	1660	2040
Fluoranthene	<100 µg/kg	TM157		642	<100	1610	869	1900	3350
Fluorene	<100 µg/kg	TM157		<100	<100	154	<100	150	473
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		224	<100	708	326	1060	849
Phenanthrene	<100 µg/kg	TM157		444	<100	685	402	703	2190
Pyrene	<100 µg/kg	TM157		623	<100	1320	697	1650	2700
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	124	147
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	266	121	313	262

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Customer Sample R	DMV031
Depth (m)	3.50
Sample Type	Soil/Solid
Date Sampled	22/05/2012
Sample Time	.
Date Received	23/05/2012
SDG Ref	120523-83
Lab Sample No.(s)	5627628
AGS Reference	

Component	LOD/Units	Method	
Phenol	<100 µg/kg	TM157	<100
Pentachlorophenol	<100 µg/kg	TM157	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157	<100
Nitrobenzene	<100 µg/kg	TM157	<100
Isophorone	<100 µg/kg	TM157	<100
Hexachloroethane	<100 µg/kg	TM157	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157	<100
Hexachlorobutadiene	<100 µg/kg	TM157	<100
Hexachlorobenzene	<100 µg/kg	TM157	<100
n-Dioctyl phthalate	<100 µg/kg	TM157	<100
Dimethyl phthalate	<100 µg/kg	TM157	<100
Diethyl phthalate	<100 µg/kg	TM157	<100
n-Dibutyl phthalate	<100 µg/kg	TM157	<100
Dibenzofuran	<100 µg/kg	TM157	<100
Carbazole	<100 µg/kg	TM157	<100
Butylbenzyl phthalate	<100 µg/kg	TM157	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157	<100
Azobenzene	<100 µg/kg	TM157	<100
4-Nitrophenol	<100 µg/kg	TM157	<100
4-Nitroaniline	<100 µg/kg	TM157	<100
4-Methylphenol	<100 µg/kg	TM157	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157	<100
4-Chloroaniline	<100 µg/kg	TM157	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157	<100
4-Bromophenylphenylether	<100 µg/kg	TM157	<100
3-Nitroaniline	<100 µg/kg	TM157	<100
2-Nitrophenol	<100 µg/kg	TM157	<100
2-Nitroaniline	<100 µg/kg	TM157	<100
2-Methylphenol	<100 µg/kg	TM157	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157	<100
2-Chlorophenol	<100 µg/kg	TM157	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157	<100

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R					
			DMV031					
Depth (m)			3.50					
Sample Type			Soil/Solid					
Date Sampled			22/05/2012					
Sample Time			.					
Date Received			23/05/2012					
SDG Ref			120523-83					
Lab Sample No.(s)			5627628					
AGS Reference								
2,4-Dimethylphenol	<100 µg/kg	TM157	<100					
2,4-Dichlorophenol	<100 µg/kg	TM157	<100					
2,4,6-Trichlorophenol	<100 µg/kg	TM157	<100					
2,4,5-Trichlorophenol	<100 µg/kg	TM157	<100					
1,4-Dichlorobenzene	<100 µg/kg	TM157	<100					
1,3-Dichlorobenzene	<100 µg/kg	TM157	<100					
1,2-Dichlorobenzene	<100 µg/kg	TM157	<100					
2-Chloronaphthalene	<100 µg/kg	TM157	<100					
2-Methylnaphthalene	<100 µg/kg	TM157	<100					
Acenaphthylene	<100 µg/kg	TM157	<100					
Acenaphthene	<100 µg/kg	TM157	<100					
Anthracene	<100 µg/kg	TM157	<100					
Benzo(a)anthracene	<100 µg/kg	TM157	123					
Benzo(b)fluoranthene	<100 µg/kg	TM157	192					
Benzo(k)fluoranthene	<100 µg/kg	TM157	143					
Benzo(a)pyrene	<100 µg/kg	TM157	164					
Benzo(g,h,i)perylene	<100 µg/kg	TM157	<100					
Chrysene	<100 µg/kg	TM157	211					
Fluoranthene	<100 µg/kg	TM157	193					
Fluorene	<100 µg/kg	TM157	<100					
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157	<100					
Phenanthrene	<100 µg/kg	TM157	<100					
Pyrene	<100 µg/kg	TM157	186					
Naphthalene	<100 µg/kg	TM157	<100					
Dibenzo(a,h)anthracene	<100 µg/kg	TM157	<100					

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMVW016	DMVW019	DMVW026	DMVW027	DMVW030
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627629	5627630	5627632	5627633	5627634
			AGS Reference					
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2-Chlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2-Methylnaphthalene (aq)	<1 µg/l	TM176		3590	<1	<1	5.24	<1
2-Methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
2-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
3-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
4-Methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
4-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Azobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Acenaphthylene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Acenaphthene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Anthracene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2	2.82	<2	16	<2
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1	<1	<1	6.48	<1
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1	1.06	<1	<2	<1
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1	<1	<1	3.95	<1
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1	<1	<1	2.93	<1

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

SVOC MS (W) - Aqueous

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

Component	LOD/Units	Method	Customer Sample R	DMVW016	DMVW019	DMVW026	DMVW027	DMVW030
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627629	5627630	5627632	5627633	5627634
			AGS Reference					
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1	<1	<1	5.91	<1
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1	<1	<1	3.47	<1
Carbazole (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Chrysene (aq)	<1 µg/l	TM176		<1	2.98	1.07	22.5	<1
Dibenzofuran (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Diethyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5	<5	<5	<10	<5
Fluoranthene (aq)	<1 µg/l	TM176		<1	<1	<1	5.54	<1
Fluorene (aq)	<1 µg/l	TM176		<1	<1	<1	2.22	<1
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Hexachloroethane (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Nitrobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Naphthalene (aq)	<1 µg/l	TM176		1080	<1	<1	<2	<1
Isophorone (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1	<2	<1
Phenanthrene (aq)	<1 µg/l	TM176		121	1.12	<1	6.95	<1
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1	<1	<1	2.47	<1
Pyrene (aq)	<1 µg/l	TM176		<1	1.5	<1	15.9	<1

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV013	DMV013	DMV014	DMV014	DMV014	DMV015
			Depth (m)	0.50	1.70	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627568	5627569	5627570	5627571	5627573	5627575
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		61	35	52	102	22	66
GRO >C5-C12	<44 µg/kg	TM089		14400	1430	12300	175	964	3910
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		8.12 M	<2 M	<2 M	<2 M	2.17 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		312	12.4	<10	<10	<10	12.1
Aliphatics >C6-C8	<10 µg/kg	TM089		3580	209	190	21.1	43.5	73.7
Aliphatics >C8-C10	<10 µg/kg	TM089		3220	258	1010	24.4	87	431
Aliphatics >C10-C12	<10 µg/kg	TM089		3090	466	6260	63.3	460	1860
Aliphatics >C12-C16	<100 µg/kg	TM173		48100	10400	21500	9840	7360	30300
Aliphatics >C16-C21	<100 µg/kg	TM173		165000	25900	54200	6140	16900	75600
Aliphatics >C21-C35	<100 µg/kg	TM173		408000	143000	89600	6770	37800	268000
Aliphatics >C35-C44	<100 µg/kg	TM173		112000	32000	6810	<100	3430	93100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		732000	212000	172000	22700	65500	467000
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		2150	172	675	17.8	59.8	287
Aromatics >EC10-EC12	<10 µg/kg	TM089		2060	311	4180	42.2	307	1240
Aromatics >EC12-EC16	<100 µg/kg	TM173		23500	4570	56800	24100	6310	6040
Aromatics >EC16-EC21	<100 µg/kg	TM173		104000	14400	60000	5540	9990	22700
Aromatics >EC21-EC35	<100 µg/kg	TM173		337000	69100	81300	7430	24400	97800
Aromatics >EC35-EC44	<100 µg/kg	TM173		163000	34700	22900	2240	2770	38500
Aromatics >EC40-EC44	<100 µg/kg	TM173		66900	14900	10900	<100	<100	15000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		627000	123000	221000	39300	43400	165000
Total Aliphatics >C5-35	<100 µg/kg	TM173		631000	181000	173000	22900	62700	376000
Total Aromatics >C5-35	<100 µg/kg	TM173		469000	88500	203000	37100	41000	128000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1100000	269000	376000	60000	104000	504000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1370000	336000	405000	62200	110000	636000

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV015	DMV015	DMV016	DMV016	DMV016	DMV017
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627576	5627577	5627578	5627579	5627580	5627581
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		48	29	47	101	129	46
GRO >C5-C12	<44 µg/kg	TM089		4230	6180	24700	835000	14500	5540
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 #	<5 #	<5 #	<100 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<200 M	<10 M	12.3 M	<200 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<40 M	<2 M	<2 M	<40 M	10.1 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<3 M	<3 M	<60 M	10.1 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<6 M	<6 M	<120 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<60 M	<3 M	<3 M	<60 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		<200	14.4	77.3	<200	23.5	15.7
Aliphatics >C6-C8	<10 µg/kg	TM089		798	398	1700	6540	7330	283
Aliphatics >C8-C10	<10 µg/kg	TM089		418	1850	3880	170000	645	1190
Aliphatics >C10-C12	<10 µg/kg	TM089		1610	1610	9870	327000	3600	1950
Aliphatics >C12-C16	<100 µg/kg	TM173		82800	181000	71500	136000	22100	59700
Aliphatics >C16-C21	<100 µg/kg	TM173		765000	2120000	357000	49100	307000	327000
Aliphatics >C21-C35	<100 µg/kg	TM173		1510000	3740000	527000	88200	597000	539000
Aliphatics >C35-C44	<100 µg/kg	TM173		56700	76500	138000	9430	13300	164000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2410000	6110000	1090000	282000	939000	1090000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	<10	12.3	<200	10.1	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<10	<10	<200	10.1	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		278	1230	2590	114000	440	793
Aromatics >EC10-EC12	<10 µg/kg	TM089		1070	1070	6580	218000	2400	1300
Aromatics >EC12-EC16	<100 µg/kg	TM173		25100	20100	65500	222000	30300	20600
Aromatics >EC16-EC21	<100 µg/kg	TM173		234000	290000	271000	32100	135000	133000
Aromatics >EC21-EC35	<100 µg/kg	TM173		579000	713000	615000	51800	324000	403000
Aromatics >EC35-EC44	<100 µg/kg	TM173		47700	49900	285000	6790	24900	226000
Aromatics >EC40-EC44	<100 µg/kg	TM173		15000	18100	124000	<100	9960	102000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		886000	1070000	1240000	313000	514000	783000
Total Aliphatics >C5-35	<100 µg/kg	TM173		2360000	6040000	971000	777000	938000	929000
Total Aromatics >C5-35	<100 µg/kg	TM173		840000	1030000	962000	637000	492000	559000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		3200000	7060000	1930000	1410000	1430000	1490000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3310000	7190000	2360000	1430000	1470000	1880000

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV017	DMV017	DMV017	DMV018	DMV018	DMV019
			Depth (m)	1.20	1.70	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627582	5627584	5627585	5627586	5627587	5627588
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		36	32	14	43	94	32
GRO >C5-C12	<44 µg/kg	TM089		2270	4100	790	4040	2500	7570
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
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		16.4	29	<10	65.3	<10	23.9
Aliphatics >C6-C8	<10 µg/kg	TM089		84.2	567	34.3	755	1980	795
Aliphatics >C8-C10	<10 µg/kg	TM089		253	1060	90	878	91	2010
Aliphatics >C10-C12	<10 µg/kg	TM089		1050	1040	359	1050	212	2040
Aliphatics >C12-C16	<100 µg/kg	TM173		21600	151000	9120	11300	24000	67000
Aliphatics >C16-C21	<100 µg/kg	TM173		133000	1560000	96300	63600	34300	413000
Aliphatics >C21-C35	<100 µg/kg	TM173		1770000	3060000	168000	409000	96900	771000
Aliphatics >C35-C44	<100 µg/kg	TM173		629000	191000	10100	116000	11400	230000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2550000	4970000	284000	600000	167000	1480000
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		168	705	60	586	63.3	1340
Aromatics >EC10-EC12	<10 µg/kg	TM089		700	696	239	701	141	1360
Aromatics >EC12-EC16	<100 µg/kg	TM173		13700	91700	6980	25500	33700	43000
Aromatics >EC16-EC21	<100 µg/kg	TM173		80600	1040000	41500	48400	28900	310000
Aromatics >EC21-EC35	<100 µg/kg	TM173		1170000	2590000	103000	365000	81200	922000
Aromatics >EC35-EC44	<100 µg/kg	TM173		476000	251000	32600	192000	26600	416000
Aromatics >EC40-EC44	<100 µg/kg	TM173		169000	91700	16200	78300	11300	176000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1740000	3970000	184000	630000	171000	1690000
Total Aliphatics >C5-35	<100 µg/kg	TM173		1920000	4780000	274000	486000	158000	1260000
Total Aromatics >C5-35	<100 µg/kg	TM173		1270000	3720000	152000	440000	144000	1280000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		3190000	8510000	426000	926000	302000	2530000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		4290000	8950000	469000	1230000	340000	3180000

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV019	DMV020	DMV020	DMV020	DMV021	DMV021
			Depth (m)	1.50	0.50	1.50	2.50	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627589	5627590	5627591	5627592	5627598	5627599
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		17	21	5	113	100	94
GRO >C5-C12	<44 µg/kg	TM089		1030	130	68.9	316	28200	10000
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	10.8 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	2.18 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		113	<10	<10	<10	51.9	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		144	42.5	21.9	19.6	2610	426
Aliphatics >C8-C10	<10 µg/kg	TM089		221	16.4	10.9	31.6	8670	2410
Aliphatics >C10-C12	<10 µg/kg	TM089		240	28.3	13.1	140	6640	3340
Aliphatics >C12-C16	<100 µg/kg	TM173		7570	4770	7680	9880	15600	25800
Aliphatics >C16-C21	<100 µg/kg	TM173		161000	5050	10100	21000	102000	145000
Aliphatics >C21-C35	<100 µg/kg	TM173		5210000	27000	10100	44000	166000	253000
Aliphatics >C35-C44	<100 µg/kg	TM173		1140000	1930	1360	3210	17700	17300
Total Aliphatics >C12-C44	<100 µg/kg	TM173		6520000	38700	29200	78100	302000	441000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	10.8	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		148	13.1	<10	22.8	5780	1600
Aromatics >EC10-EC12	<10 µg/kg	TM089		159	18.5	<10	93.6	4430	2230
Aromatics >EC12-EC16	<100 µg/kg	TM173		4000	<100	5460	3010	14300	24100
Aromatics >EC16-EC21	<100 µg/kg	TM173		106000	<100	6190	7450	48400	72700
Aromatics >EC21-EC35	<100 µg/kg	TM173		2470000	<100	8510	23300	81000	120000
Aromatics >EC35-EC44	<100 µg/kg	TM173		609000	<100	1790	8450	21200	22000
Aromatics >EC40-EC44	<100 µg/kg	TM173		259000	<100	<100	3820	9590	8270
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		3180000	<100	21900	42200	165000	239000
Total Aliphatics >C5-35	<100 µg/kg	TM173		5380000	36900	27900	75000	302000	430000
Total Aromatics >C5-35	<100 µg/kg	TM173		2580000	<100	20200	33800	154000	220000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		7950000	36900	48000	109000	456000	650000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		9710000	38800	51200	121000	495000	690000

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV022	DMV022	DMV023	DMV023	DMV024	DMV024
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627601	5627602	5627603	5627604	5627606	5627607
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		32	128	36	45	28	72
GRO >C5-C12	<44 µg/kg	TM089		9190	467000	10300	7570	17000	3220
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<50 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<100 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<20 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<30 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<60 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<30 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		20.7	143	58.8	102	66.1	15.7
Aliphatics >C6-C8	<10 µg/kg	TM089		301	36400	1220	3150	2130	321
Aliphatics >C8-C10	<10 µg/kg	TM089		1650	123000	2630	1210	4510	685
Aliphatics >C10-C12	<10 µg/kg	TM089		3670	135000	2800	1380	4390	1050
Aliphatics >C12-C16	<100 µg/kg	TM173		159000	117000	50800	27000	148000	26000
Aliphatics >C16-C21	<100 µg/kg	TM173		359000	454000	261000	137000	641000	112000
Aliphatics >C21-C35	<100 µg/kg	TM173		298000	310000	919000	1140000	1070000	527000
Aliphatics >C35-C44	<100 µg/kg	TM173		91500	58800	267000	231000	294000	183000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		907000	940000	1500000	1530000	2150000	848000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<100	<10	<10	10.4	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<100	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		1100	81700	1760	808	3000	457
Aromatics >EC10-EC12	<10 µg/kg	TM089		2450	90300	1870	918	2930	698
Aromatics >EC12-EC16	<100 µg/kg	TM173		169000	79900	30200	12800	92700	20500
Aromatics >EC16-EC21	<100 µg/kg	TM173		278000	220000	140000	65000	431000	76500
Aromatics >EC21-EC35	<100 µg/kg	TM173		336000	198000	587000	440000	1060000	427000
Aromatics >EC35-EC44	<100 µg/kg	TM173		149000	63100	275000	160000	485000	235000
Aromatics >EC40-EC44	<100 µg/kg	TM173		74500	26300	117000	63300	238000	105000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		931000	561000	1030000	677000	2070000	758000
Total Aliphatics >C5-35	<100 µg/kg	TM173		821000	1180000	1240000	1310000	1870000	667000
Total Aromatics >C5-35	<100 µg/kg	TM173		786000	670000	761000	519000	1590000	525000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1610000	1850000	2000000	1820000	3460000	1190000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1850000	1970000	2540000	2210000	4240000	1610000

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV025	DMV025	DMV025	DMV026	DMV026	DMV027
			Depth (m)	1.00	2.00	3.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627608	5627609	5627610	5627611	5627612	5627613
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		87	32	90	23	40	56
GRO >C5-C12	<44 µg/kg	TM089		57200	8490	166	6040	7650	26100
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		27.6 M	<10 M	<10 M	<10 M	<10 M	17.1 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		27.6	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		578	321	13.6	26.5	41.8	57
Aliphatics >C6-C8	<10 µg/kg	TM089		9000	2930	76.8	530	694	2870
Aliphatics >C8-C10	<10 µg/kg	TM089		14600	1800	17	1510	1860	7410
Aliphatics >C10-C12	<10 µg/kg	TM089		13900	1350	26	1770	2290	6470
Aliphatics >C12-C16	<100 µg/kg	TM173		70100	27000	8410	90000	45200	106000
Aliphatics >C16-C21	<100 µg/kg	TM173		433000	244000	21700	388000	329000	633000
Aliphatics >C21-C35	<100 µg/kg	TM173		1970000	3950000	64600	452000	1630000	1020000
Aliphatics >C35-C44	<100 µg/kg	TM173		422000	581000	15100	120000	385000	274000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2890000	4810000	110000	1050000	2390000	2040000
Aromatics >EC5-EC7	<10 µg/kg	TM089		27.6	<10	<10	<10	<10	17.1
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		9760	1200	13.6	1010	1240	4940
Aromatics >EC10-EC12	<10 µg/kg	TM089		9270	897	17	1180	1520	4310
Aromatics >EC12-EC16	<100 µg/kg	TM173		54800	19700	5990	71400	35100	53300
Aromatics >EC16-EC21	<100 µg/kg	TM173		318000	142000	13200	348000	207000	299000
Aromatics >EC21-EC35	<100 µg/kg	TM173		1590000	1890000	53100	799000	1160000	744000
Aromatics >EC35-EC44	<100 µg/kg	TM173		538000	460000	25500	310000	436000	344000
Aromatics >EC40-EC44	<100 µg/kg	TM173		257000	218000	12700	144000	208000	152000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		2500000	2510000	97800	1530000	1840000	1440000
Total Aliphatics >C5-35	<100 µg/kg	TM173		2510000	4230000	94800	933000	2010000	1780000
Total Aromatics >C5-35	<100 µg/kg	TM173		1980000	2050000	72300	1220000	1410000	1110000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		4490000	6280000	167000	2150000	3420000	2890000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		5450000	7320000	208000	2580000	4240000	3500000

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV027	DMV028	DMV028	DMV028	DMV028	DMV029
			Depth (m)	1.50	0.30	1.00	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627614	5627616	5627617	5627618	5627619	5627620
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		41	29	43	70	50	37
GRO >C5-C12	<44 µg/kg	TM089		20600	17300	5220	12600	4200	10800
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		46.3 M	12.3 M	<10 M	20.7 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	2.28 M	<2 M	2.3 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		46.3	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		157	80.6	60.4	150	47.2	33.9
Aliphatics >C6-C8	<10 µg/kg	TM089		1810	2300	611	1780	531	1300
Aliphatics >C8-C10	<10 µg/kg	TM089		5890	4210	1020	3160	987	2760
Aliphatics >C10-C12	<10 µg/kg	TM089		5240	4760	1700	3210	1180	2900
Aliphatics >C12-C16	<100 µg/kg	TM173		37700	101000	11800	50200	22200	173000
Aliphatics >C16-C21	<100 µg/kg	TM173		376000	545000	29600	263000	155000	448000
Aliphatics >C21-C35	<100 µg/kg	TM173		3820000	951000	188000	1970000	1130000	605000
Aliphatics >C35-C44	<100 µg/kg	TM173		793000	259000	58300	449000	312000	176000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		5020000	1860000	288000	2740000	1620000	1400000
Aromatics >EC5-EC7	<10 µg/kg	TM089		46.3	12.3	<10	20.7	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		3920	2810	681	2110	658	1840
Aromatics >EC10-EC12	<10 µg/kg	TM089		3500	3170	1140	2140	789	1940
Aromatics >EC12-EC16	<100 µg/kg	TM173		<500	53200	20900	19300	16500	69700
Aromatics >EC16-EC21	<100 µg/kg	TM173		185000	274000	21200	119000	85200	235000
Aromatics >EC21-EC35	<100 µg/kg	TM173		1910000	705000	133000	685000	638000	555000
Aromatics >EC35-EC44	<100 µg/kg	TM173		760000	345000	60000	249000	283000	239000
Aromatics >EC40-EC44	<100 µg/kg	TM173		307000	153000	25300	102000	108000	106000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		2850000	1380000	235000	1070000	1020000	1100000
Total Aliphatics >C5-35	<100 µg/kg	TM173		4240000	1610000	233000	2300000	1310000	1230000
Total Aromatics >C5-35	<100 µg/kg	TM173		2100000	1040000	177000	827000	741000	863000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		6340000	2650000	410000	3120000	2050000	2100000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		7900000	3250000	528000	3820000	2650000	2510000

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV029	DMV029	DMV030	DMV030	DMV031	DMV031
			Depth (m)	2.00	3.80	1.00	2.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627621	5627622	5627623	5627624	5627625	5627627
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		44	123	44	78	45	48
GRO >C5-C12	<44 µg/kg	TM089		8600	217	6570	23400	6830	12000
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	23.2 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		<9	<9	<9	<9	<9	<9
sum of detected BTEX by GC	<24 µg/kg	TM089		<24	<24	<24	<24	<24	<24
Aliphatics >C5-C6	<10 µg/kg	TM089		23.9	<10	13.7	92.8	12.1	13.3
Aliphatics >C6-C8	<10 µg/kg	TM089		751	<10	425	4470	501	527
Aliphatics >C8-C10	<10 µg/kg	TM089		2130	29.7	1500	6900	1580	2680
Aliphatics >C10-C12	<10 µg/kg	TM089		2560	90.2	2180	4380	2210	4170
Aliphatics >C12-C16	<100 µg/kg	TM173		99500	8190	189000	82800	50100	212000
Aliphatics >C16-C21	<100 µg/kg	TM173		489000	9030	545000	344000	231000	517000
Aliphatics >C21-C35	<100 µg/kg	TM173		775000	9830	709000	732000	324000	562000
Aliphatics >C35-C44	<100 µg/kg	TM173		175000	<100	197000	174000	94000	153000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1540000	27000	1640000	1330000	699000	1440000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	23.2	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		1420	24.2	998	4600	1050	1790
Aromatics >EC10-EC12	<10 µg/kg	TM089		1710	60.5	1450	2920	1480	2780
Aromatics >EC12-EC16	<100 µg/kg	TM173		41200	17200	69000	32900	18600	87500
Aromatics >EC16-EC21	<100 µg/kg	TM173		228000	6140	232000	176000	105000	238000
Aromatics >EC21-EC35	<100 µg/kg	TM173		552000	8960	540000	573000	288000	433000
Aromatics >EC35-EC44	<100 µg/kg	TM173		224000	5320	212000	245000	154000	162000
Aromatics >EC40-EC44	<100 µg/kg	TM173		95600	2700	91200	107000	70200	68400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1050000	37600	1050000	1030000	566000	921000
Total Aliphatics >C5-35	<100 µg/kg	TM173		1370000	27200	1450000	1170000	609000	1300000
Total Aromatics >C5-35	<100 µg/kg	TM173		825000	32400	843000	790000	415000	763000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		2190000	59600	2290000	1960000	1020000	2060000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2590000	64900	2700000	2380000	1270000	2380000

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

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

Component	LOD/Units	Method	Customer Sample R	
			Depth (m)	3.50
			Sample Type	Soil/Solid
			Date Sampled	22/05/2012
			Sample Time	.
			Date Received	23/05/2012
			SDG Ref	120523-83
			Lab Sample No.(s)	5627628
			AGS Reference	DMV031
GRO Surrogate % recovery**	%	TM089	92	
GRO >C5-C12	<44 µg/kg	TM089	4600	
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089	<5 #	
Benzene	<10 µg/kg	TM089	<10 M	
Toluene	<2 µg/kg	TM089	<2 M	
Ethylbenzene	<3 µg/kg	TM089	<3 M	
m,p-Xylene	<6 µg/kg	TM089	<6 M	
o-Xylene	<3 µg/kg	TM089	<3 M	
sum of detected mpo xylene by GC	<9 µg/kg	TM089	<9	
sum of detected BTEX by GC	<24 µg/kg	TM089	<24	
Aliphatics >C5-C6	<10 µg/kg	TM089	16	
Aliphatics >C6-C8	<10 µg/kg	TM089	212	
Aliphatics >C8-C10	<10 µg/kg	TM089	960	
Aliphatics >C10-C12	<10 µg/kg	TM089	1660	
Aliphatics >C12-C16	<100 µg/kg	TM173	43300	
Aliphatics >C16-C21	<100 µg/kg	TM173	127000	
Aliphatics >C21-C35	<100 µg/kg	TM173	213000	
Aliphatics >C35-C44	<100 µg/kg	TM173	68200	
Total Aliphatics >C12-C44	<100 µg/kg	TM173	452000	
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	
Aromatics >EC8-EC10	<10 µg/kg	TM089	640	
Aromatics >EC10-EC12	<10 µg/kg	TM089	1110	
Aromatics >EC12-EC16	<100 µg/kg	TM173	27100	
Aromatics >EC16-EC21	<100 µg/kg	TM173	57600	
Aromatics >EC21-EC35	<100 µg/kg	TM173	154000	
Aromatics >EC35-EC44	<100 µg/kg	TM173	73800	
Aromatics >EC40-EC44	<100 µg/kg	TM173	34300	
Total Aromatics >EC12-EC44	<100 µg/kg	TM173	313000	
Total Aliphatics >C5-35	<100 µg/kg	TM173	386000	
Total Aromatics >C5-35	<100 µg/kg	TM173	240000	
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173	627000	
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173	769000	

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMVW016	DMVW019	DMVW026	DMVW027	DMVW030
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627629	5627630	5627632	5627633	5627634
			AGS Reference					
GRO Surrogate % recovery**	%	TM245		83	56	99	97	94
GRO >C5-C12	<50 µg/l	TM245		26900 #	350 #	251 #	537 #	67 #
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #	<3 #
Benzene	<7 µg/l	TM245		20 #	<7 #	<7 #	8 #	<7 #
Toluene	<4 µg/l	TM245		<4 #	<4 #	<4 #	<4 #	<4 #
Ethylbenzene	<5 µg/l	TM245		<5 #	<5 #	<5 #	<5 #	<5 #
m,p-Xylene	<8 µg/l	TM245		<8 #	<8 #	<8 #	<8 #	<8 #
o-Xylene	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #	<3 #
Sum of detected Xylenes	<11 µg/l	TM245		<11	<11	<11	<11	<11
Sum of detected BTEX	<28 µg/l	TM245		<28	<28	<28	<28	<28
Aliphatics >C5-C6	<10 µg/l	TM245		173	27	<10	<10	<10
Aliphatics >C6-C8	<10 µg/l	TM245		1250	48	44	33	<10
Aliphatics >C8-C10	<10 µg/l	TM245		7530	61	35	80	10
Aliphatics >C10-C12	<10 µg/l	TM245		7720	103	82	209	22
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		404000	17600	1190	7520	347
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		373000	284000	3400	31200	936
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		570000	7330000	25600	343000	4720
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		1350000	7630000	30200	382000	6000
Aromatics >EC5-EC7	<10 µg/l	TM245		20	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/l	TM245		5020	41	26	58	<10
Aromatics >EC10-EC12	<10 µg/l	TM245		5150	69	55	139	15
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		49500	10000	417	1390	50
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		56200	141000	2040	12000	411
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		125000	1660000	15900	111000	3340
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		231000	1820000	18400	125000	3810
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		1610000	>3400000	48900	507000	9870

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV013	DMV013	DMV014	DMV014	DMV014	DMV015
			Depth (m)	0.50	1.70	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627568	5627569	5627570	5627571	5627573	5627575
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	105	99.2	97.1	99.3	104
Toluene-d8**	%	TM116		101	94.6	102	99.7	97.2	95.6
4-Bromofluorobenzene**	%	TM116		109	132	104	119	116	126
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<4 M	<80 M	<8 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<7	<140	<14
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<10	<200	<20
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<26 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<12 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 M	51.6 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<20 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<22 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<22 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<8 M	<160 M	<16 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<10 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<28 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<8 M	<160 M	<16 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 M	<14 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<28 M
1.2-Dichloroethane	<5 µg/kg	TM116		699 M	553 M	<100 M	<5 M	656 M	232 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<18 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<18 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 M	<14 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<28 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<10 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<14	<280	<28
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<20 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<7 #	<140 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV013	DMV013	DMV014	DMV014	DMV014	DMV015
			Depth (m)	0.50	1.70	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627568	5627569	5627570	5627571	5627573	5627575
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<10 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<4 M	<80 M	<8 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<14 #	<280 #	<28 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<20 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<20 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<10 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<20 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<17 M	<340 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<18 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<8 #	<160 #	<16 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<12 #	<240 #	<24 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<9 #	<180 #	<18 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<22 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<12 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<20 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<24 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<15	<300	<30
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<6 #	<120 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<12	<240	<24
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<26 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV015	DMV015	DMV016	DMV016	DMV016	DMV017
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627576	5627577	5627578	5627579	5627580	5627581
			AGS Reference						
Dibromofluoromethane**	%	TM116		104	102	105	102	106	103
Toluene-d8**	%	TM116		101	97.3	96.6	99.1	97.7	99.8
4-Bromofluorobenzene**	%	TM116		106	119	113	113	106	109
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		14600 M	328 M	<100 M	<100 M	23600 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<280	<280	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV015	DMV015	DMV016	DMV016	DMV016	DMV017
			Depth (m)	1.50	2.50	0.50	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627576	5627577	5627578	5627579	5627580	5627581
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	599 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	709 M	<100 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	1550 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	2370 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	27100 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	6330 M	<260 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV017	DMV017	DMV017	DMV018	DMV018	DMV019
			Depth (m)	1.20	1.70	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627582	5627584	5627585	5627586	5627587	5627588
			AGS Reference						
Dibromofluoromethane**	%	TM116		106	103	105	105	102	106
Toluene-d8**	%	TM116		94.5	95.8	105	104	94.2	95.4
4-Bromofluorobenzene**	%	TM116		119	117	119	116	106	111
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	1120 M	8640 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<280	<280	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	216 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV017	DMV017	DMV017	DMV018	DMV018	DMV019
			Depth (m)	1.20	1.70	2.50	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627582	5627584	5627585	5627586	5627587	5627588
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV019	DMV020	DMV020	DMV020	DMV021	DMV021
			Depth (m)	1.50	0.50	1.50	2.50	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627589	5627590	5627591	5627592	5627598	5627599
			AGS Reference						
Dibromofluoromethane**	%	TM116		108	102	102	99.3	105	102
Toluene-d8**	%	TM116		94.1	101	97.4	101	96.5	96.8
4-Bromofluorobenzene**	%	TM116		124	125	101	127	121	106
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<8 M	<800 M	<4 M	<8 M	<8 M
Chloromethane	<7 µg/kg	TM116		<140	<14	<1400	<7	<14	<14
Vinyl Chloride	<10 µg/kg	TM116		<200	<20	<2000	<10	<20	<20
Bromomethane	<13 µg/kg	TM116		<260 M	<26 M	<2600 M	<13 M	<26 M	<26 M
Chloroethane	<14 µg/kg	TM116		<280 M	<28 M	<2800 M	<14 M	<28 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<12 M	<1200 M	<6 M	<12 M	<12 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<20 #	<2000 #	<10 #	<20 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<14 M	<1400 M	<7 M	<14 M	<14 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<20 #	<2000 #	<10 #	<20 #	54.7 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<22 M	<2200 M	<11 M	<22 M	<22 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<22 M	<2200 M	<11 M	<22 M	<22 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<16 M	<1600 M	<8 M	<16 M	<16 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<10 M	<1000 M	<5 M	<10 M	<10 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<2400 M	<12 M	<24 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<28 M	<2800 M	<14 M	<28 M	<28 M
Chloroform	<8 µg/kg	TM116		<160 M	<16 M	<1600 M	<8 M	<16 M	<16 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<14 M	<1400 M	<7 M	<14 M	<14 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<22 M	<2200 M	<11 M	<22 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<28 M	<2800 M	<14 M	<28 M	<28 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 M	<10 M	<1000 M	101 M	132 M	214 M
Benzene	<9 µg/kg	TM116		<180 M	<18 M	<1800 M	<9 M	<18 M	<18 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<18 M	<1800 M	<9 M	<18 M	<18 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<24 M	<2400 M	<12 M	<24 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<18 M	<1800 M	<9 M	<18 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<14 M	<1400 M	<7 M	<14 M	<14 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<28 M	<2800 M	<14 M	<28 M	<28 M
Toluene	<5 µg/kg	TM116		<100 M	<10 M	<1000 M	<5 M	<10 M	<10 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<28	<2800	<14	<28	<28
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<20 M	<2000 M	<10 M	<20 M	<20 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<14 #	<1400 #	<7 #	<14 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<10 M	<1000 M	<5 M	<10 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<26 M	<2600 M	<13 M	<26 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV019	DMV020	DMV020	DMV020	DMV021	DMV021
			Depth (m)	1.50	0.50	1.50	2.50	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627589	5627590	5627591	5627592	5627598	5627599
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<24 M	<2400 M	<12 M	<24 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<1000 M	<5 M	<10 M	<10 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<20 M	<2000 M	<10 M	<20 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<8 M	<800 M	<4 M	<8 M	<8 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<28 #	<2800 #	<14 #	<28 #	<28 #
o-Xylene	<10 µg/kg	TM116		<200 M	<20 M	<2000 M	<10 M	<20 M	<20 M
Styrene	<10 µg/kg	TM116		<200 M	<20 M	<2000 M	<10 M	<20 M	<20 M
Bromoform	<10 µg/kg	TM116		<200 M	<20 M	<2000 M	<10 M	<20 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<10 M	<1000 M	<5 M	<10 M	<10 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<20 #	<2000 #	<10 #	<20 #	<20 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<34 M	<3400 M	<17 M	<34 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<20 M	<2000 M	<10 M	<20 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<22 M	<2200 M	<11 M	<22 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<18 M	<1800 M	<9 M	<18 M	<18 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<16 #	<1600 #	<8 #	<16 #	<16 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<24 M	<2400 M	<12 M	<24 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<24 #	<2400 #	<12 #	<24 #	<24 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<18 #	<1800 #	<9 #	<18 #	<18 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<2000 M	<10 M	<20 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<22 M	<2200 M	<11 M	<22 M	<22 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<12 M	<1200 M	<6 M	<12 M	<12 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<10 M	<1000 M	<5 M	<10 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<20 M	<2000 M	<10 M	<20 M	<20 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<24 M	<2400 M	<12 M	<24 M	<24 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<28 M	<2800 M	<14 M	<28 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<30	<3000	<15	<30	<30
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<12 #	<1200 #	<6 #	<12 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<24	<2400	<12	<24	<24
Naphthalene	<13 µg/kg	TM116		<260 M	<26 M	<2600 M	<13 M	<26 M	<26 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<12 M	<1200 M	<6 M	<12 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV022	DMV022	DMV023	DMV023	DMV024	DMV024
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627601	5627602	5627603	5627604	5627606	5627607
			AGS Reference						
Dibromofluoromethane**	%	TM116		106	102	105	104	104	103
Toluene-d8**	%	TM116		95.4	107	95.3	97.1	96	97.4
4-Bromofluorobenzene**	%	TM116		123	106	112	105	114	106
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	3940 #	552 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	1570 M	38900 M	1340 M	674 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		109 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<280	<280	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV022	DMV022	DMV023	DMV023	DMV024	DMV024
			Depth (m)	0.50	1.50	0.50	2.50	0.50	2.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012	21/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627601	5627602	5627603	5627604	5627606	5627607
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		170 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV025	DMV025	DMV025	DMV026	DMV026	DMV027
			Depth (m)	1.00	2.00	3.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627608	5627609	5627610	5627611	5627612	5627613
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	106	103	104	104	109
Toluene-d8**	%	TM116		105	95	97.1	102	96	99.9
4-Bromofluorobenzene**	%	TM116		117	123	103	105	111	125
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	360 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		231 #	364 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		1000 M	3010 M	1070 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<280	<280	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV025	DMV025	DMV025	DMV026	DMV026	DMV027
			Depth (m)	1.00	2.00	3.00	0.50	1.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/05/2012	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627608	5627609	5627610	5627611	5627612	5627613
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	339 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV027	DMV028	DMV028	DMV028	DMV028	DMV029
			Depth (m)	1.50	0.30	1.00	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627614	5627616	5627617	5627618	5627619	5627620
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	102	108	110	102	101
Toluene-d8**	%	TM116		92.2	100	105	102	96.2	102
4-Bromofluorobenzene**	%	TM116		115	111	110	127	129	103
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<8 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<14	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<20	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<26 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<12 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<20 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	30.7 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<20 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<16 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<16 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<14 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	76.4 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	30.1 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<18 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<18 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<14 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	12.9 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<280	<28	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<14 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<26 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV027	DMV028	DMV028	DMV028	DMV028	DMV029
			Depth (m)	1.50	0.30	1.00	1.50	2.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627614	5627616	5627617	5627618	5627619	5627620
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	16.1 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	55.2 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	50.7 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<20 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<34 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<18 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<16 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<24 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		372 #	<180 #	<180 #	<180 #	<18 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<22 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<12 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<10 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<20 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<24 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<28 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<30	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<12 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<24	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<26 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<12 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMV029	DMV029	DMV030	DMV030	DMV031	DMV031
			Depth (m)	2.00	3.80	1.00	2.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627621	5627622	5627623	5627624	5627625	5627627
			AGS Reference						
Dibromofluoromethane**	%	TM116		107	99.9	102	105	108	104
Toluene-d8**	%	TM116		101	99.8	101	98.2	99.1	106
4-Bromofluorobenzene**	%	TM116		113	122	108	113	103	108
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<4 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<7	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<10	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<120 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<160 M	<160 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<8 M	<160 M	<160 M	<160 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<140 M	<140 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<180 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<7 M	<140 M	<140 M	<140 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<14	<280	<280	<280	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<7 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV029	DMV029	DMV030	DMV030	DMV031	DMV031
			Depth (m)	2.00	3.80	1.00	2.00	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627621	5627622	5627623	5627624	5627625	5627627
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<4 M	<80 M	<80 M	<80 M	297 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<14 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<10 #	<200 #	<200 #	<200 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<17 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<9 M	<180 M	<180 M	<180 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<8 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<12 #	<240 #	<240 #	<240 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<9 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<11 M	<220 M	<220 M	<220 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<120 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<5 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<10 M	<200 M	<200 M	<200 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<12 M	<240 M	<240 M	<240 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<14 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<15	<300	<300	<300	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<6 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<12	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<13 M	<260 M	<260 M	<260 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<6 M	<120 M	<120 M	<120 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R					
			Depth (m)	3.50				
			Sample Type	Soil/Solid				
			Date Sampled	22/05/2012				
			Sample Time	.				
			Date Received	23/05/2012				
			SDG Ref	120523-83				
			Lab Sample No.(s)	5627628				
			AGS Reference	DMV031				
Dibromofluoromethane**	%	TM116	105					
Toluene-d8**	%	TM116	96.1					
4-Bromofluorobenzene**	%	TM116	116					
Dichlorodifluoromethane	<4 µg/kg	TM116	<8 M					
Chloromethane	<7 µg/kg	TM116	<14					
Vinyl Chloride	<10 µg/kg	TM116	<20					
Bromomethane	<13 µg/kg	TM116	<26 M					
Chloroethane	<14 µg/kg	TM116	<28 M					
Trichlorofluorormethane	<6 µg/kg	TM116	44.5 M					
1.1-Dichloroethene	<10 µg/kg	TM116	<20 #					
Carbon Disulphide	<7 µg/kg	TM116	<14 M					
Dichloromethane	<10 µg/kg	TM116	<20 #					
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<22 M					
trans-1-2-Dichloroethene	<11 µg/kg	TM116	<22 M					
1.1-Dichloroethane	<8 µg/kg	TM116	<16 M					
cis-1-2-Dichloroethene	<5 µg/kg	TM116	<10 M					
2.2-Dichloropropane	<12 µg/kg	TM116	<24 M					
Bromochloromethane	<14 µg/kg	TM116	<28 M					
Chloroform	<8 µg/kg	TM116	<16 M					
1.1.1-Trichloroethane	<7 µg/kg	TM116	<14 M					
1.1-Dichloropropene	<11 µg/kg	TM116	<22 M					
Carbontetrachloride	<14 µg/kg	TM116	<28 M					
1.2-Dichloroethane	<5 µg/kg	TM116	<10 M					
Benzene	<9 µg/kg	TM116	<18 M					
Trichloroethene	<9 µg/kg	TM116	<18 M					
1.2-Dichloropropane	<12 µg/kg	TM116	<24 M					
Dibromomethane	<9 µg/kg	TM116	<18 M					
Bromodichloromethane	<7 µg/kg	TM116	<14 M					
cis-1-3-Dichloropropene	<14 µg/kg	TM116	<28 M					
Toluene	<5 µg/kg	TM116	<10 M					
trans-1-3-Dichloropropene	<14 µg/kg	TM116	<28					
1.1.2-Trichloroethane	<10 µg/kg	TM116	<20 M					
1.3-Dichloropropane	<7 µg/kg	TM116	<14 #					
Tetrachloroethene	<5 µg/kg	TM116	<10 M					
Dibromochloromethane	<13 µg/kg	TM116	<26 M					

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DMV031
			Depth (m)	3.50
			Sample Type	Soil/Solid
			Date Sampled	22/05/2012
			Sample Time	.
			Date Received	23/05/2012
			SDG Ref	120523-83
			Lab Sample No.(s)	5627628
			AGS Reference	
1.2-Dibromoethane	<12 µg/kg	TM116	<24	M
Chlorobenzene	<5 µg/kg	TM116	<10	M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116	<20	M
Ethylbenzene	<4 µg/kg	TM116	<8	M
p/m-Xylene	<14 µg/kg	TM116	<28	#
o-Xylene	<10 µg/kg	TM116	<20	M
Styrene	<10 µg/kg	TM116	<20	M
Bromoform	<10 µg/kg	TM116	<20	M
Isopropylbenzene	<5 µg/kg	TM116	<10	M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116	<20	#
1.2.3-Trichloropropane	<17 µg/kg	TM116	<34	M
Bromobenzene	<10 µg/kg	TM116	<20	M
Propylbenzene	<11 µg/kg	TM116	<22	M
2-Chlorotoluene	<9 µg/kg	TM116	<18	M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116	<16	#
4-Chlorotoluene	<12 µg/kg	TM116	<24	M
tert-Butylbenzene	<12 µg/kg	TM116	<24	#
1.2.4-Trimethylbenzene	<9 µg/kg	TM116	<18	#
sec-Butylbenzene	<10 µg/kg	TM116	<20	M
4-Isopropyltoluene	<11 µg/kg	TM116	<22	M
1.3-Dichlorobenzene	<6 µg/kg	TM116	<12	M
1.4-Dichlorobenzene	<5 µg/kg	TM116	<10	M
n-Butylbenzene	<10 µg/kg	TM116	<20	M
1.2-Dichlorobenzene	<12 µg/kg	TM116	<24	M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116	<28	M
Tert-amyl methyl ether	<15 µg/kg	TM116	<30	
1.2.4-Trichlorobenzene	<6 µg/kg	TM116	<12	#
Hexachlorobutadiene	<12 µg/kg	TM116	<24	
Naphthalene	<13 µg/kg	TM116	<26	M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116	<12	M

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DMVW016	DMVW019	DMVW026	DMVW027	DMVW030
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627629	5627630	5627632	5627633	5627634
			AGS Reference					
Dibromofluoromethane**	%	TM208		123 §	111 §	108	99.5	105
Toluene-d8**	%	TM208		56.6 §	42.9 §	98.2	96.4	99.2
4-Bromofluorobenzene**	%	TM208		76.9 §	50.2 §	94.4	87.2	97.7
Dichlorodifluoromethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Chloromethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208		<1 § #	<1 § #	2.62 #	<1 #	<1 #
Bromomethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Chloroethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208		1.98 § #	<1 § #	<1 #	<1 #	<1 #
Carbon disulphide	<1 µg/l	TM208		<1 § #	4.57 § #	<1 #	1.29 #	<1 #
Dichloromethane	<3 µg/l	TM208		<3 § #	<3 § #	7.41 #	4.15 #	3.61 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208		27.6 § #	<1 § #	<1 #	<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
2,2-Dichloropropane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Bromochloromethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Chloroform	<1 µg/l	TM208		<1 § #	<1 § #	1.46 #	<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208		8.96 § #	<1 § #	<1 #	<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208		<1 §	<1 §	115	24.9	11.2
Benzene	<1 µg/l	TM208		24.6 § #	<1 § #	1.21 #	8.89 #	<1 #
Trichloroethene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Dibromomethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Toluene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,3-Dichloropropane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Tetrachloroethene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Dibromochloromethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (W)

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

Component	LOD/Units	Method	Customer Sample R	DMVW016	DMVW019	DMVW026	DMVW027	DMVW030
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	21/05/2012	21/05/2012	22/05/2012	22/05/2012	22/05/2012
			Sample Time	.	.	.	.	.
			Date Received	23/05/2012	23/05/2012	23/05/2012	23/05/2012	23/05/2012
			SDG Ref	120523-83	120523-83	120523-83	120523-83	120523-83
			Lab Sample No.(s)	5627629	5627630	5627632	5627633	5627634
			AGS Reference					
1,2-Dibromoethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Chlorobenzene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Ethylbenzene	<1 µg/l	TM208		51.1 § #	<1 § #	<1 #	<1 #	<1 #
m,p-Xylene	<1 µg/l	TM208		298 § #	<1 § #	<1 #	<1 #	<1 #
o-Xylene	<1 µg/l	TM208		10.8 § #	<1 § #	<1 #	1.65 #	<1 #
Styrene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Bromoform	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Isopropylbenzene	<1 µg/l	TM208		236 § #	<1 § #	<1 #	<1 #	<1 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1 §	<1 §	<1	<1	<1
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Bromobenzene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Propylbenzene	<1 µg/l	TM208		317 § #	<1 § #	<1 #	<1 #	<1 #
2-Chlorotoluene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		434 § #	<1 § #	<1 #	2.13 #	<1 #
4-Chlorotoluene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
tert-Butylbenzene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208		85500 § #	<1 § #	<1 #	1.32 #	<1 #
sec-Butylbenzene	<1 µg/l	TM208		262 § #	<1 § #	<1 #	<1 #	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208		90.5 § #	<1 § #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
n-Butylbenzene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene	<1 µg/l	TM208		<1 §	<1 §	<1	<1	<1
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1 §	<1 §	<1	<1	<1
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Hexachlorobutadiene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
Naphthalene	<1 µg/l	TM208		16600 § #	<1 § #	<1 #	<1 #	<1 #
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 § #	<1 § #	<1 #	<1 #	<1 #
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1 §	<1 §	<1	<1	<1

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Notification of Deviating Samples

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5668236	DMVW016		LIQUID	VOC MS (W)	1,1,1,2-Tetrachloroethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,1,1-Trichloroethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,1,2,2-Tetrachloroethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,1,2-Trichloroethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,1-Dichloroethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,1-Dichloroethene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,1-Dichloropropene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2,3-Trichlorobenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2,3-Trichloropropane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2,4-Trichlorobenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2,4-Trimethylbenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2-Dibromo-3-chloropropane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2-Dibromoethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2-Dichlorobenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2-Dichloroethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,2-Dichloropropane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,3,5-Trichlorobenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,3,5-Trimethylbenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,3-Dichlorobenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,3-Dichloropropane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	1,4-Dichlorobenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	2,2-Dichloropropane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	2-Chlorotoluene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	4-Bromofluorobenzene**	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	4-Chlorotoluene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	4-iso-Propyltoluene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Benzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Bromobenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Bromochloromethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Bromodichloromethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Bromoform	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Bromomethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Carbon disulphide	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Carbontetrachloride	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Chlorobenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Chloroethane	Container with Headspace provided for volatiles analysis

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5668236	DMVW016		LIQUID	VOC MS (W)	Chloroform	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Chloromethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	cis-1,2-Dichloroethene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	cis-1,3-Dichloropropene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Dibromochloromethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Dibromofluoromethane**	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Dibromomethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Dichlorodifluoromethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Dichloromethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Ethylbenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Hexachlorobutadiene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Isopropylbenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	m,p-Xylene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Methyl tertiary butyl ether (MTBE)	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Naphthalene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	n-Butylbenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	o-Xylene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Propylbenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	sec-Butylbenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Styrene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	tert-Amyl methyl ether (TAME)	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	tert-Butylbenzene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Tetrachloroethene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Toluene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Toluene-d8**	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	trans-1,2-Dichloroethene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	trans-1,3-Dichloropropene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Trichloroethene	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Trichlorofluoromethane	Container with Headspace provided for volatiles analysis
5668236	DMVW016		LIQUID	VOC MS (W)	Vinyl chloride	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,1,1,2-Tetrachloroethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,1,1-Trichloroethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,1,2,2-Tetrachloroethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,1,2-Trichloroethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,1-Dichloroethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,1-Dichloroethene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,1-Dichloropropene	Container with Headspace provided for volatiles analysis

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5668247	DMVW019		LIQUID	VOC MS (W)	1,2,3-Trichlorobenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,2,3-Trichloropropane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,2,4-Trichlorobenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,2,4-Trimethylbenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,2-Dibromo-3-chloropropane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,2-Dibromoethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,2-Dichlorobenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,2-Dichloroethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,2-Dichloropropane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,3,5-Trichlorobenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,3,5-Trimethylbenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,3-Dichlorobenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,3-Dichloropropane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	1,4-Dichlorobenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	2,2-Dichloropropane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	2-Chlorotoluene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	4-Bromofluorobenzene**	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	4-Chlorotoluene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	4-iso-Propyltoluene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Benzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Bromobenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Bromochloromethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Bromodichloromethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Bromoform	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Bromomethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Carbon disulphide	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Carbontetrachloride	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Chlorobenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Chloroethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Chloroform	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Chloromethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	cis-1,2-Dichloroethene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	cis-1,3-Dichloropropene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Dibromochloromethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Dibromofluoromethane**	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Dibromomethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Dichlorodifluoromethane	Container with Headspace provided for volatiles analysis

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
5668247	DMVW019		LIQUID	VOC MS (W)	Dichloromethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Ethylbenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Hexachlorobutadiene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Isopropylbenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	m,p-Xylene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Methyl tertiary butyl ether (MTBE)	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Naphthalene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	n-Butylbenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	o-Xylene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Propylbenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	sec-Butylbenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Styrene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	tert-Amyl methyl ether (TAME)	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	tert-Butylbenzene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Tetrachloroethene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Toluene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Toluene-d8**	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	trans-1,2-Dichloroethene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	trans-1,3-Dichloropropene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Trichloroethene	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Trichlorofluoromethane	Container with Headspace provided for volatiles analysis
5668247	DMVW019		LIQUID	VOC MS (W)	Vinyl chloride	Container with Headspace provided for volatiles analysis
5672551	DMVW016		LIQUID	VOC MS (W)	1,2,4-Trimethylbenzene	Container with Headspace provided for volatiles analysis
5672551	DMVW016		LIQUID	VOC MS (W)	Naphthalene	Container with Headspace provided for volatiles analysis

Note : Test results may be compromised

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	5627568	5627569	5627570	5627571	5627573	5627575	5627576	5627577	5627578	5627579
Customer Sample Ref.	DMV013	DMV013	DMV014	DMV014	DMV014	DMV015	DMV015	DMV015	DMV016	DMV016
AGS Ref.										
Depth	0.50	1.70	0.50	1.50	2.50	0.50	1.50	2.50	0.50	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	30-May-2012	30-May-2012	30-May-2012	31-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012
EPH CWG (Aromatic) GC (S)	30-May-2012	30-May-2012	30-May-2012	31-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012
GRO by GC-FID (S)	30-May-2012	31-May-2012	31-May-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012
Metals by iCap-OES (Soil)	30-May-2012	30-May-2012	30-May-2012	29-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012
pH	30-May-2012	30-May-2012	29-May-2012	30-May-2012	30-May-2012	29-May-2012	29-May-2012	29-May-2012	29-May-2012	30-May-2012
Sample description	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012
Semi Volatile Organic Compounds	31-May-2012	31-May-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012
TPH CWG GC (S)	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012
VOC MS (S)	31-May-2012	31-May-2012	31-May-2012	29-May-2012	31-May-2012	31-May-2012	31-May-2012	30-May-2012	01-Jun-2012	01-Jun-2012

Lab Sample No(s)	5627580	5627581	5627582	5627584	5627585	5627586	5627587	5627588	5627589	5627590
Customer Sample Ref.	DMV016	DMV017	DMV017	DMV017	DMV017	DMV018	DMV018	DMV019	DMV019	DMV020
AGS Ref.										
Depth	2.50	0.50	1.20	1.70	2.50	0.50	1.50	0.50	1.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012
EPH CWG (Aromatic) GC (S)	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012
GRO by GC-FID (S)	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012
Metals by iCap-OES (Soil)	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	29-May-2012	30-May-2012	30-May-2012	30-May-2012
pH	30-May-2012	29-May-2012	30-May-2012	30-May-2012	30-May-2012	29-May-2012	30-May-2012	29-May-2012	29-May-2012	29-May-2012
Sample description	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012
Semi Volatile Organic Compounds	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	30-May-2012	31-May-2012	30-May-2012	30-May-2012	30-May-2012
TPH CWG GC (S)	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012
VOC MS (S)	01-Jun-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012

Lab Sample No(s)	5627591	5627592	5627598	5627599	5627601	5627602	5627603	5627604	5627606	5627607
Customer Sample Ref.	DMV020	DMV020	DMV021	DMV021	DMV022	DMV022	DMV023	DMV023	DMV024	DMV024
AGS Ref.										
Depth	1.50	2.50	1.00	2.00	0.50	1.50	0.50	2.50	0.50	2.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	31-May-2012	30-May-2012	30-May-2012	30-May-2012	31-May-2012	30-May-2012	30-May-2012	30-May-2012	31-May-2012	31-May-2012
EPH CWG (Aromatic) GC (S)	31-May-2012	30-May-2012	30-May-2012	30-May-2012	31-May-2012	30-May-2012	30-May-2012	30-May-2012	31-May-2012	31-May-2012
GRO by GC-FID (S)	31-May-2012	30-May-2012	30-May-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012
Metals by iCap-OES (Soil)	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012
pH	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012
Sample description	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012
Semi Volatile Organic Compounds	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012
TPH CWG GC (S)	31-May-2012	30-May-2012	30-May-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012
VOC MS (S)	01-Jun-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012

Lab Sample No(s)	5627608	5627609	5627610	5627611	5627612	5627613	5627614	5627616	5627617	5627618
Customer Sample Ref.	DMV025	DMV025	DMV025	DMV026	DMV026	DMV027	DMV027	DMV028	DMV028	DMV028
AGS Ref.										
Depth	1.00	2.00	3.00	0.50	1.50	0.50	1.50	0.30	1.00	1.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	30-May-2012	30-May-2012	30-May-2012	31-May-2012	30-May-2012
EPH CWG (Aromatic) GC (S)	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	30-May-2012	30-May-2012	30-May-2012	31-May-2012	30-May-2012
GRO by GC-FID (S)	30-May-2012	31-May-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012
Metals by iCap-OES (Soil)	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	28-May-2012	30-May-2012
pH	30-May-2012	29-May-2012	30-May-2012	30-May-2012	29-May-2012	30-May-2012	29-May-2012	30-May-2012	29-May-2012	30-May-2012
Sample description	25-May-2012	25-May-2012	25-May-2012	25-May-2012	25-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012
Semi Volatile Organic Compounds	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	30-May-2012
TPH CWG GC (S)	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012
VOC MS (S)	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012

CERTIFICATE OF ANALYSIS

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Lab Sample No(s)	5627619	5627620	5627621	5627622	5627623	5627624	5627625	5627627	5627628	5627629
Customer Sample Ref.	DMV028	DMV029	DMV029	DMV029	DMV030	DMV030	DMV031	DMV031	DMV031	DMVW016
AGS Ref.										
Depth	2.50	0.50	2.00	3.80	1.00	2.00	0.50	1.50	3.50	
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	LIQUID
Dissolved Metals by ICP-MS										30-May-2012
EPH CWG (Aliphatic) Aqueous GC (W)										01-Jun-2012
EPH CWG (Aliphatic) GC (S)	30-May-2012	31-May-2012	30-May-2012	31-May-2012	31-May-2012	30-May-2012	30-May-2012	31-May-2012	31-May-2012	
EPH CWG (Aromatic) Aqueous GC (W)										01-Jun-2012
EPH CWG (Aromatic) GC (S)	30-May-2012	31-May-2012	30-May-2012	31-May-2012	31-May-2012	30-May-2012	30-May-2012	31-May-2012	31-May-2012	
GRO by GC-FID (S)	30-May-2012	31-May-2012	31-May-2012	29-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	
GRO by GC-FID (W)										31-May-2012
Mercury Dissolved										28-May-2012
Metals by iCap-OES (Soil)	30-May-2012	29-May-2012	30-May-2012	29-May-2012	28-May-2012	30-May-2012	30-May-2012	29-May-2012	29-May-2012	
pH	30-May-2012	29-May-2012	30-May-2012	29-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	30-May-2012	
pH Value										28-May-2012
Sample description	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	24-May-2012	
Semi Volatile Organic Compounds	31-May-2012	31-May-2012	31-May-2012	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	
SVOC MS (W) - Aqueous										31-May-2012
TPH CWG (W)										01-Jun-2012
TPH CWG GC (S)	30-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	30-May-2012	30-May-2012	31-May-2012	31-May-2012	
VOC MS (S)	29-May-2012	31-May-2012	31-May-2012	29-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	31-May-2012	
VOC MS (W)										31-May-2012

Lab Sample No(s)	5627630	5627632	5627633	5627634
Customer Sample Ref.	DMVW019	DMVW026	DMVW027	DMVW030
AGS Ref.				
Depth				
Type	LIQUID	LIQUID	LIQUID	LIQUID
Dissolved Metals by ICP-MS	30-May-2012	29-May-2012	30-May-2012	29-May-2012
EPH CWG (Aliphatic) Aqueous GC (W)	31-May-2012	01-Jun-2012	31-May-2012	01-Jun-2012
EPH CWG (Aromatic) Aqueous GC (W)	31-May-2012	01-Jun-2012	31-May-2012	01-Jun-2012
GRO by GC-FID (W)	31-May-2012	30-May-2012	30-May-2012	30-May-2012
Mercury Dissolved	28-May-2012	29-May-2012	29-May-2012	29-May-2012
pH Value	28-May-2012	28-May-2012	28-May-2012	28-May-2012
SVOC MS (W) - Aqueous	31-May-2012	31-May-2012	31-May-2012	31-May-2012
TPH CWG (W)	31-May-2012	01-Jun-2012	31-May-2012	01-Jun-2012
VOC MS (W)	31-May-2012	31-May-2012	31-May-2012	31-May-2012

SDG:	120523-83	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0250
Job:	H_ATKINS_LDC-35	**Customer:**	Atkins Global Ltd	**Report Number:**	183138
Client Reference:	Not Specified.	**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

SOLID MATRICES EXTRACTION SUMMARY

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

LIQUID MATRICES EXTRACTION SUMMARY

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

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

Appendix Q. Laboratory Analysis (Shallow Groundwater)

ALcontrol Laboratories

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

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

Attention: Selina Bamforth

CERTIFICATE OF ANALYSIS

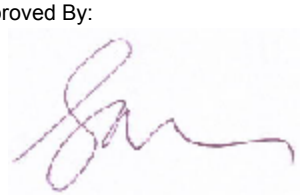
Date:	04 January 2012
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	111221-3
Your Reference:	DiME water samples
Location:	Coed Darcy Urban Village
Report No:	165938

We received 16 samples on Wednesday December 21, 2011 and 16 of these samples were scheduled for analysis which was completed on Wednesday January 04, 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

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

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
4926304	DIME BASE 1			20/12/2011
4926305	DIME BASE 2			20/12/2011
4926297	DIME SP 1			20/12/2011
4926299	DIME SP 2			20/12/2011
4926300	DIME SP 3			20/12/2011
4926301	DIME SP 4			20/12/2011
4926307	DIME TMP 5			20/12/2011
4926308	DIME TMP 6			20/12/2011
4926309	DIME TMP 7			20/12/2011
4926310	DIME TMP 8			20/12/2011
4926311	DIME TMP LAGOON 1			20/12/2011
4926312	DIME TMP LAGOON 2			20/12/2011
4926313	DIME TRENCH NORTH			20/12/2011
4926314	DIME TRENCH SOUTH			20/12/2011
4926315	DIME WT IN			20/12/2011
4926316	DIME WT OUT			20/12/2011

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

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

LEACH

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			4926313	DIME TRENCH NORTH			1l green glass bottle
							Vial (ALE297)
			4926314	DIME TRENCH SOUTH			1l green glass bottle
							Vial (ALE297)
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 2	X		X		
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 2	X		X		
GRO by GC-FID (W)	All	NDPs: 0 Tests: 2		X		X	
pH Value	All	NDPs: 0 Tests: 2	X		X		
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 2	X		X		
TPH CWG (W)	All	NDPs: 0 Tests: 2	X		X		
VOC MS (W)	All	NDPs: 0 Tests: 2		X		X	

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

LIQUID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			4926315	DIME WT IN			Vial (ALE297)
			4926316	DIME WT OUT			Vial (ALE297)
			4926311	DIME TMP LAGOON			Vial (ALE297)
			4926312	DIME TMP LAGOON			Vial (ALE297)
pH Value	All	NDPs: 0 Tests: 4	X	X	X	X	
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 4	X	X	X	X	
VOC MS (W)	All	NDPs: 0 Tests: 4	X	X	X	X	

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

		Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
		4926304	DIME BASE 1			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926297	DIME SP 1			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926305	DIME BASE 2			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926299	DIME SP 2			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926300	DIME SP 3			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926301	DIME SP 4			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926307	DIME TMP 5			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926308	DIME TMP 6			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926309	DIME TMP 7			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
		4926310	DIME TMP 8			250g Amber Jar (AL
						400g Tub (ALE214)
						60g VOC (ALE215)
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Cadmium	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Chromium	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Copper	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Lead	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Mercury	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Nickel	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Selenium	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Vanadium	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
	Zinc	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
pH	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X
Sample description	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			4926304	DIME BASE 1			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926297	DIME SP 1			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926305	DIME BASE 2			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926299	DIME SP 2			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926300	DIME SP 3			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926301	DIME SP 4			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926307	DIME TMP 5			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926308	DIME TMP 6			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926309	DIME TMP 7			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			4926310	DIME TMP 8			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 10			X		X		X		X		X		X		X		X		X		X		X		X	

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
4926304	DIME BASE 1		Dark Brown	Sand	0.1 - 2 mm	Stones	None
4926305	DIME BASE 2		Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4926297	DIME SP 1		Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
4926299	DIME SP 2		Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4926300	DIME SP 3		Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4926301	DIME SP 4		Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
4926307	DIME TMP 5		Dark Brown	Gravel	2 - 10 mm	Stones	Oil/Petroleum
4926308	DIME TMP 6		Light Brown	Sand	0.1 - 2 mm	Stones	N/A
4926309	DIME TMP 7		Light Brown	Sand	0.1 - 2 mm	Stones	None
4926310	DIME TMP 8		Light Brown	Sand	0.1 - 2 mm	Stones	None

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME BASE 1	DIME BASE 2	DIME SP 1	DIME SP 2	DIME SP 3	DIME SP 4
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926304	4926305	4926297	4926299	4926300	4926301
			AGS Reference						
pH	1 pH Units	TM133		7.35 M	9.22 M	10.4 M	8.75 M	8.36 M	9.6 M
Arsenic	<0.6 mg/kg	TM181		7.58 M	5.9 M	6.02 M	16.4 M	8.5 M	6.14 M
Cadmium	<0.02 mg/kg	TM181		0.119 M	0.212 M	0.293 M	0.265 M	0.185 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		12.7 M	9.75 M	12.7 M	12.7 M	10.9 M	9.08 M
Copper	<1.4 mg/kg	TM181		11.7 M	11.1 M	21.1 M	91.6 M	117 M	28.3 M
Lead	<0.7 mg/kg	TM181		12 M	11.3 M	104 M	113 M	62.5 M	41.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		24 M	20.5 M	8.7 M	11.6 M	12.3 M	6.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.56 #	1.49 #	<1 #	1.66 #
Vanadium	<0.2 mg/kg	TM181		10.4 #	7.96 #	13.2 #	15 #	11.7 #	11.1 #
Zinc	<1.9 mg/kg	TM181		60.4 M	52 M	173 M	531 M	187 M	150 M

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP 5	DIME TMP 6	DIME TMP 7	DIME TMP 8	DIME TMP LAGOON 1	DIME TMP LAGOON 2
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926307	4926308	4926309	4926310	4926311	4926312
			AGS Reference						
pH	<1 pH Units	TM256						7.19 #	7.17 #
pH	1 pH Units	TM133		10.6 #	10.5 M	9.99 M	10.7 M		
Arsenic	<0.6 mg/kg	TM181		3.05 #	5.73 M	4.63 M	2.97 M		
Cadmium	<0.02 mg/kg	TM181		<0.02 #	0.0869 M	<0.02 M	<0.02 M		
Chromium	<0.9 mg/kg	TM181		7.44 #	8.74 M	7.07 M	6.22 M		
Copper	<1.4 mg/kg	TM181		7.73 #	9.34 M	10.9 M	4.65 M		
Lead	<0.7 mg/kg	TM181		13.2 #	20.3 M	13.2 M	3.67 M		
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 M	<0.14 M	<0.14 M		
Nickel	<0.2 mg/kg	TM181		2.78 #	5.16 M	4.34 M	2.98 M		
Selenium	<1 mg/kg	TM181		2.6 #	2.05 #	2.02 #	3.49 #		
Vanadium	<0.2 mg/kg	TM181		10.6 #	9.63 #	9.99 #	7.78 #		
Zinc	<1.9 mg/kg	TM181		43.2 #	104 M	42.9 M	12.4 M		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT		
			Depth (m)	.	.	.	.		
			Sample Type	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011		
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011		
			SDG Ref	111221-3	111221-3	111221-3	111221-3		
			Lab Sample No.(s)	4926313	4926314	4926315	4926316		
			AGS Reference						
pH	<1 pH Units	TM256		7.97 #	7.83 #				
pH	<1 pH Units	TM256				8.46 #	8.9 #		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME BASE 1	DIME BASE 2	DIME SP 1	DIME SP 2	DIME SP 3	DIME SP 4
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926304	4926305	4926297	4926299	4926300	4926301
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Isophorone	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Dibenzofuran	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Carbazole	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<200	<200	414	<500	1710
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
Azobenzene	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<200	<200	<100	<500	<100

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DIME BASE 1	DIME BASE 2	DIME SP 1	DIME SP 2	DIME SP 3	DIME SP 4
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926304	4926305	4926297	4926299	4926300	4926301
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<200	<200	267	<500	274
Acenaphthylene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
Acenaphthene	<100 µg/kg	TM157		<100	<200	<200	173	945	<100
Anthracene	<100 µg/kg	TM157		<100	<200	<200	201	<500	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<200	<200	205	596	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<200	248	162	<500	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<200	<200	141	<500	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
Chrysene	<100 µg/kg	TM157		<100	<200	252	468	1030	<100
Fluoranthene	<100 µg/kg	TM157		<100	<200	<200	914	810	<100
Fluorene	<100 µg/kg	TM157		<100	<200	<200	177	<500	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
Phenanthrene	<100 µg/kg	TM157		<100	<200	<200	507	850	<100
Pyrene	<100 µg/kg	TM157		<100	<200	254	720	871	128
Naphthalene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<200	<200	<100	<500	<100

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP 5	DIME TMP 6	DIME TMP 7	DIME TMP 8		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011		
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011		
			SDG Ref	111221-3	111221-3	111221-3	111221-3		
			Lab Sample No.(s)	4926307	4926308	4926309	4926310		
			AGS Reference						
Phenol	<100 µg/kg	TM157		<500	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<500	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157		<500	<100	<100	<100		
Isophorone	<100 µg/kg	TM157		<500	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157		<500	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<500	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157		<500	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157		<500	<100	<100	<100		
Carbazole	<100 µg/kg	TM157		<500	<100	<100	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157		<500	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<500	<100	<100	<100		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<500	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<500	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157		<500	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157		<500	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157		<500	<100	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157		<500	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157		<500	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<500	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157		<500	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157		<500	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157		<500	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157		<500	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100		
2-Chlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100		
2,6-Dinitrotoluene	<100 µg/kg	TM157		<500	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157		<500	<100	<100	327		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP 5	DIME TMP 6	DIME TMP 7	DIME TMP 8		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011		
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011		
			SDG Ref	111221-3	111221-3	111221-3	111221-3		
			Lab Sample No.(s)	4926307	4926308	4926309	4926310		
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<500	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<500	<100	<100	<100		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100		
1,3-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100		
1,2-Dichlorobenzene	<100 µg/kg	TM157		<500	<100	<100	<100		
2-Chloronaphthalene	<100 µg/kg	TM157		<500	<100	<100	<100		
2-Methylnaphthalene	<100 µg/kg	TM157		1350	306	<100	235		
Acenaphthylene	<100 µg/kg	TM157		<500	<100	<100	<100		
Acenaphthene	<100 µg/kg	TM157		<500	<100	<100	<100		
Anthracene	<100 µg/kg	TM157		<500	<100	<100	<100		
Benzo(a)anthracene	<100 µg/kg	TM157		<500	<100	<100	<100		
Benzo(b)fluoranthene	<100 µg/kg	TM157		<500	<100	<100	<100		
Benzo(k)fluoranthene	<100 µg/kg	TM157		<500	<100	<100	<100		
Benzo(a)pyrene	<100 µg/kg	TM157		<500	<100	<100	<100		
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<500	<100	<100	<100		
Chrysene	<100 µg/kg	TM157		2110	<100	<100	<100		
Fluoranthene	<100 µg/kg	TM157		<500	<100	<100	<100		
Fluorene	<100 µg/kg	TM157		<500	<100	<100	129		
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<500	<100	<100	<100		
Phenanthrene	<100 µg/kg	TM157		951	196	259	577		
Pyrene	<100 µg/kg	TM157		1110	124	131	<100		
Naphthalene	<100 µg/kg	TM157		<500	<100	<100	<100		
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<500	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926311	4926312	4926313	4926314	4926315	4926316
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176				<1	<1		
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176				<1	<1		
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176				<1	<1		
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176				<1	<1		
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176				<1	<1		
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176				<1	<1		
2,4-Dichlorophenol (aq)	<1 µg/l	TM176				<1	<1		
2,4-Dimethylphenol (aq)	<1 µg/l	TM176				<1	<1		
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176				<1	<1		
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176				<1	<1		
2-Chloronaphthalene (aq)	<1 µg/l	TM176				<1	<1		
2-Chlorophenol (aq)	<1 µg/l	TM176				<1	<1		
2-Methylnaphthalene (aq)	<1 µg/l	TM176				<1	<1		
2-Methylphenol (aq)	<1 µg/l	TM176				<1	<1		
2-Nitroaniline (aq)	<1 µg/l	TM176				<1	<1		
2-Nitrophenol (aq)	<1 µg/l	TM176				<1	<1		
3-Nitroaniline (aq)	<1 µg/l	TM176				<1	<1		
4-Bromophenylphenylether (aq)	<1 µg/l	TM176				<1	<1		
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176				<1	<1		
4-Chloroaniline (aq)	<1 µg/l	TM176				<1	<1		
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176				<1	<1		
4-Methylphenol (aq)	<1 µg/l	TM176				<1	<1		
4-Nitrophenol (aq)	<1 µg/l	TM176				<1	<1		
4-Nitroaniline (aq)	<1 µg/l	TM176				<1	<1		
Azobenzene (aq)	<1 µg/l	TM176				<1	<1		
Acenaphthylene (aq)	<1 µg/l	TM176				<1	<1		
Acenaphthene (aq)	<1 µg/l	TM176				<1	<1		
Anthracene (aq)	<1 µg/l	TM176				<1	<1		
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176				<1	<1		
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176				<1	<1		
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176				<2	<2		
Benzo(a)anthracene (aq)	<1 µg/l	TM176				<1	<1		
Butylbenzyl phthalate (aq)	<1 µg/l	TM176				<1	<1		
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176				<1	<1		
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176				<1	<1		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SVOC MS (W) - Aqueous

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926311	4926312	4926313	4926314	4926315	4926316
			AGS Reference						
Benzo(a)pyrene (aq)	<1 µg/l	TM176				<1	<1		
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176				<1	<1		
Carbazole (aq)	<1 µg/l	TM176				<1	<1		
Chrysene (aq)	<1 µg/l	TM176				<1	<1		
Dibenzofuran (aq)	<1 µg/l	TM176				<1	<1		
n-Dibutyl phthalate (aq)	<1 µg/l	TM176				<2	<1		
Diethyl phthalate (aq)	<1 µg/l	TM176				<1	<1		
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176				<1	<1		
Dimethyl phthalate (aq)	<1 µg/l	TM176				<1	<1		
n-Dioctyl phthalate (aq)	<5 µg/l	TM176				<5	<5		
Fluoranthene (aq)	<1 µg/l	TM176				<1	<1		
Fluorene (aq)	<1 µg/l	TM176				<1	<1		
Hexachlorobenzene (aq)	<1 µg/l	TM176				<1	<1		
Hexachlorobutadiene (aq)	<1 µg/l	TM176				<1	<1		
Pentachlorophenol (aq)	<1 µg/l	TM176				<1	<1		
Phenol (aq)	<1 µg/l	TM176				<1	<1		
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176				<1	<1		
Hexachloroethane (aq)	<1 µg/l	TM176				<1	<1		
Nitrobenzene (aq)	<1 µg/l	TM176				<1	<1		
Naphthalene (aq)	<1 µg/l	TM176				<1	<1		
Isophorone (aq)	<1 µg/l	TM176				<1	<1		
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176				<1	<1		
Phenanthrene (aq)	<1 µg/l	TM176				<1	<1		
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176				<1	<1		
Pyrene (aq)	<1 µg/l	TM176				<1	<1		
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<1			<1	<1

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SVOC MS (W) - Aqueous

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926311	4926312	4926313	4926314	4926315	4926316
			AGS Reference						
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2-Chlorophenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2-Methylphenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1			<1	<1
2-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
3-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1			<1	<1
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1	<1			<1	<1
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1			<1	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1	<1			<1	<1
4-Methylphenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
4-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Azobenzene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Acenaphthylene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Acenaphthene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Anthracene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1	<1			<1	<1
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1	<1			<1	<1
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<3	<3			<3	<14
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Carbazole (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Chrysene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Dibenzofuran (aq)	<1 µg/l	TM176		<1	<1			<1	<1
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<3	<3			<3	<3
Diethyl phthalate (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1	<3			<1	<1
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5	<5			<5	<5

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926311	4926312	4926313	4926314	4926315	4926316
			AGS Reference						
Fluoranthene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Fluorene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Phenol (aq)	<1 µg/l	TM176		<1	<1			<1	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Hexachloroethane (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Nitrobenzene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Naphthalene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Isophorone (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Phenanthrene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1	<1			<1	<1
Pyrene (aq)	<1 µg/l	TM176		<1	<1			<1	<1

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME BASE 1	DIME BASE 2	DIME SP 1	DIME SP 2	DIME SP 3	DIME SP 4
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926304	4926305	4926297	4926299	4926300	4926301
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		105	119	20	24	21	32
GRO >C5-C12	<44 µg/kg	TM089		25100	888	2490	11100	1590	5400
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	20.1 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	4.56 M	3.54 M	<2 M	4.64 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	28.5 M	118 M	7.02 M	52.2 M
m,p-Xylene	<6 µg/kg	TM089		97.4 M	<6 M	11.4 M	28.3 M	<6 M	80 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	20.5 M	122 M	15.2 M	22 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		97.4	<9	31.9	150	15.2	102
sum of detected BTEX by GC	<24 µg/kg	TM089		97.4	<24	65	292	<24	159
Aliphatics >C5-C6	<10 µg/kg	TM089		119	73.8	92.3	355	63.2	82.4
Aliphatics >C6-C8	<10 µg/kg	TM089		721	177	604	2090	273	592
Aliphatics >C8-C10	<10 µg/kg	TM089		6100	137	477	3060	336	1370
Aliphatics >C10-C12	<10 µg/kg	TM089		8420	244	557	1960	393	1370
Aliphatics >C12-C16	<100 µg/kg	TM173		5290	93400	61300	114000	102000	58000
Aliphatics >C16-C21	<100 µg/kg	TM173		13700	363000	351000	560000	768000	254000
Aliphatics >C21-C35	<100 µg/kg	TM173		123000	2960000	10300000	4900000	6280000	8360000
Aliphatics >C35-C44	<100 µg/kg	TM173		35100	1040000	2270000	1540000	2460000	1570000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		177000	4460000	12900000	7110000	9610000	10200000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	20.1	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		4170	91.6	378	2310	252	1060
Aromatics >EC10-EC12	<10 µg/kg	TM089		5610	163	372	1310	262	914
Aromatics >EC12-EC16	<100 µg/kg	TM173		3280	28300	21800	72700	35500	25200
Aromatics >EC16-EC21	<100 µg/kg	TM173		8520	134000	83200	337000	323000	91600
Aromatics >EC21-EC35	<100 µg/kg	TM173		88500	1150000	2090000	3360000	3770000	2220000
Aromatics >EC35-EC44	<100 µg/kg	TM173		38500	405000	582000	1450000	1810000	506000
Aromatics >EC40-EC44	<100 µg/kg	TM173		14100	128000	225000	518000	595000	195000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		139000	1710000	2770000	5220000	5940000	2840000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		341000	6170000	15700000	12300000	15600000	13100000
Total Aliphatics >C5-35	<100 µg/kg	TM173		157000	3420000	10700000	5580000	7150000	8680000
Total Aromatics >C5-35	<100 µg/kg	TM173		110000	1310000	2190000	3770000	4130000	2330000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		268000	4730000	12900000	9350000	11300000	11000000

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP 5	DIME TMP 6	DIME TMP 7	DIME TMP 8		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011		
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011		
			SDG Ref	111221-3	111221-3	111221-3	111221-3		
			Lab Sample No.(s)	4926307	4926308	4926309	4926310		
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		15	40	19	54		
GRO >C5-C12	<44 µg/kg	TM089		2630	6360	2630	9980		
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #		
Benzene	<10 µg/kg	TM089		<10 #	<10 M	<10 M	<10 M		
Toluene	<2 µg/kg	TM089		<2 #	<2 M	<2 M	<2 M		
Ethylbenzene	<3 µg/kg	TM089		6.9 #	<3 M	<3 M	<3 M		
m,p-Xylene	<6 µg/kg	TM089		44.9 #	<6 M	<6 M	<6 M		
o-Xylene	<3 µg/kg	TM089		24.2 #	<3 M	<3 M	<3 M		
sum of detected mpo xylene by GC	<9 µg/kg	TM089		69.1	<9	<9	<9		
sum of detected BTEX by GC	<24 µg/kg	TM089		76	<24	<24	<24		
Aliphatics >C5-C6	<10 µg/kg	TM089		56.4	215	64.8	51.5		
Aliphatics >C6-C8	<10 µg/kg	TM089		567	2840	344	847		
Aliphatics >C8-C10	<10 µg/kg	TM089		492	1030	448	2140		
Aliphatics >C10-C12	<10 µg/kg	TM089		668	951	886	3310		
Aliphatics >C12-C16	<100 µg/kg	TM173		127000	42200	106000	100000		
Aliphatics >C16-C21	<100 µg/kg	TM173		892000	372000	390000	537000		
Aliphatics >C21-C35	<100 µg/kg	TM173		11200000	6640000	4890000	2080000		
Aliphatics >C35-C44	<100 µg/kg	TM173		2730000	758000	572000	188000		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		14900000	7810000	5960000	2910000		
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC8-EC10	<10 µg/kg	TM089		404	689	298	1420		
Aromatics >EC10-EC12	<10 µg/kg	TM089		445	635	590	2210		
Aromatics >EC12-EC16	<100 µg/kg	TM173		51300	20900	34200	43100		
Aromatics >EC16-EC21	<100 µg/kg	TM173		442000	112000	127000	214000		
Aromatics >EC21-EC35	<100 µg/kg	TM173		5210000	1900000	1200000	642000		
Aromatics >EC35-EC44	<100 µg/kg	TM173		1760000	296000	163000	53100		
Aromatics >EC40-EC44	<100 µg/kg	TM173		548000	108000	57100	15200		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		7470000	2330000	1530000	953000		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		22400000	10100000	7490000	3870000		
Total Aliphatics >C5-35	<100 µg/kg	TM173		12200000	7060000	5390000	2730000		
Total Aromatics >C5-35	<100 µg/kg	TM173		5700000	2030000	1360000	903000		
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		17900000	9090000	6760000	3630000		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

TPH CWG (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TRENCH NORTH	DIME TRENCH SOUTH
			Depth (m)	.	.
			Sample Type	Saline A	Saline A
			Date Sampled	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3
			Lab Sample No.(s)	4926313	4926314
			AGS Reference		
GRO Surrogate % recovery**	%	TM245		99	91
GRO >C5-C12	<50 µg/l	TM245		<50 #	<50 #
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<3 #	<3 #
Benzene	<7 µg/l	TM245		<7 #	<7 #
Toluene	<4 µg/l	TM245		<4 #	<4 #
Ethylbenzene	<5 µg/l	TM245		<5 #	<5 #
m,p-Xylene	<8 µg/l	TM245		<8 #	<8 #
o-Xylene	<3 µg/l	TM245		<3 #	<3 #
Sum of detected Xylenes	<11 µg/l	TM245		<11	<11
Sum of detected BTEX	<28 µg/l	TM245		<28	<28
Aliphatics >C5-C6	<10 µg/l	TM245		<10	<10
Aliphatics >C6-C8	<10 µg/l	TM245		<10	<10
Aliphatics >C8-C10	<10 µg/l	TM245		<10	<10
Aliphatics >C10-C12	<10 µg/l	TM245		<10	<10
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		<10	<10
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		34	<10
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		460	<10
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		494	<10
Aromatics >EC5-EC7	<10 µg/l	TM245		<10	<10
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10
Aromatics >EC8-EC10	<10 µg/l	TM245		<10	<10
Aromatics >EC10-EC12	<10 µg/l	TM245		<10	<10
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		<10	<10
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		<10	<10
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		157	<10
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		157	<10
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		653	<10

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME BASE 1	DIME BASE 2	DIME SP 1	DIME SP 2	DIME SP 3	DIME SP 4
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926304	4926305	4926297	4926299	4926300	4926301
			AGS Reference						
Dibromofluoromethane**	%	TM116		104	104	67.6	90.8	99.5	84.3
Toluene-d8**	%	TM116		89.6	101	61.9	71.3	69.6	72.9
4-Bromofluorobenzene**	%	TM116		157	113	178	166	190	174
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		22.5 M	<7 M	226 M	74.3 M	38.6 M	198 M
Dichloromethane	<10 µg/kg	TM116		<10 #	17.1 #	55.6 #	51.2 #	<10 #	39.3 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	64.5 M	245 M	220 M	<5 M	237 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	42.9 M	40.5 M	22.2 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		21.5 M	<5 M	<5 M	16.5 M	10.1 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DIME BASE 1	DIME BASE 2	DIME SP 1	DIME SP 2	DIME SP 3	DIME SP 4
			Depth (m)	.	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926304	4926305	4926297	4926299	4926300	4926301
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		73.6 M	<4 M	<4 M	26.6 M	<4 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		215 #	<14 #	<14 #	69.4 #	26.3 #	<14 #
o-Xylene	<10 µg/kg	TM116		142 M	<10 M	<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		23.8 M	<5 M	<5 M	33.6 M	<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	57.2 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		101 #	<8 #	<8 #	82 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		543 #	<9 #	<9 #	332 #	<9 #	124 #
sec-Butylbenzene	<10 µg/kg	TM116		164 M	<10 M	<10 M	119 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP 5	DIME TMP 6	DIME TMP 7	DIME TMP 8		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011		
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011		
			SDG Ref	111221-3	111221-3	111221-3	111221-3		
			Lab Sample No.(s)	4926307	4926308	4926309	4926310		
			AGS Reference						
Dibromofluoromethane**	%	TM116		83	70.3	89.4	88.7		
Toluene-d8**	%	TM116		62	74.3	79.9	84.2		
4-Bromofluorobenzene**	%	TM116		185	173	164	158		
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 #	<4 M	<4 M	<4 M		
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #		
Vinyl Chloride	<10 µg/kg	TM116		<10 #	107 #	<10 #	23.8 #		
Bromomethane	<13 µg/kg	TM116		<13 #	<13 M	<13 M	<13 M		
Chloroethane	<14 µg/kg	TM116		<14 #	<14 M	<14 M	<14 M		
Trichlorofluorormethane	<6 µg/kg	TM116		<6 #	<6 M	<6 M	<6 M		
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	20.7 #	<10 #	<10 #		
Carbon Disulphide	<7 µg/kg	TM116		73.4 #	293 M	159 M	172 M		
Dichloromethane	<10 µg/kg	TM116		17.6 #	1960 #	397 #	86.6 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 #	<11 M	<11 M	<11 M		
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 #	<11 M	<11 M	<11 M		
1.1-Dichloroethane	<8 µg/kg	TM116		<8 #	<8 M	<8 M	<8 M		
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 #	<5 M	<5 M	<5 M		
2.2-Dichloropropane	<12 µg/kg	TM116		<12 #	<12 M	<12 M	<12 M		
Bromochloromethane	<14 µg/kg	TM116		<14 #	<14 M	<14 M	<14 M		
Chloroform	<8 µg/kg	TM116		<8 #	<8 M	<8 M	<8 M		
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 #	<7 M	<7 M	<7 M		
1.1-Dichloropropene	<11 µg/kg	TM116		<11 #	<11 M	<11 M	<11 M		
Carbontetrachloride	<14 µg/kg	TM116		<14 #	<14 M	<14 M	<14 M		
1.2-Dichloroethane	<5 µg/kg	TM116		<5 #	1290 M	1730 M	963 M		
Benzene	<9 µg/kg	TM116		<9 #	<9 M	<9 M	<9 M		
Trichloroethene	<9 µg/kg	TM116		<9 #	13.1 M	<9 M	<9 M		
1.2-Dichloropropane	<12 µg/kg	TM116		<12 #	<12 M	<12 M	<12 M		
Dibromomethane	<9 µg/kg	TM116		<9 #	<9 M	<9 M	<9 M		
Bromodichloromethane	<7 µg/kg	TM116		<7 #	<7 M	<7 M	<7 M		
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 #	<14 M	<14 M	<14 M		
Toluene	<5 µg/kg	TM116		<5 #	<5 M	<5 M	<5 M		
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14		
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 #	<10 M	<10 M	<10 M		
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #		
Tetrachloroethene	<5 µg/kg	TM116		<5 #	34.5 M	14.8 M	<5 M		
Dibromochloromethane	<13 µg/kg	TM116		<13 #	<13 M	<13 M	<13 M		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP 5	DIME TMP 6	DIME TMP 7	DIME TMP 8		
			Depth (m)	.	.	.	.		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011		
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011		
			SDG Ref	111221-3	111221-3	111221-3	111221-3		
			Lab Sample No.(s)	4926307	4926308	4926309	4926310		
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 #	<12 M	<12 M	<12 M		
Chlorobenzene	<5 µg/kg	TM116		<5 #	<5 M	<5 M	<5 M		
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 M	<10 M	<10 M		
Ethylbenzene	<4 µg/kg	TM116		<4 #	22.4 M	14.1 M	<4 M		
p/m-Xylene	<14 µg/kg	TM116		<14 #	34.7 #	41 #	<14 #		
o-Xylene	<10 µg/kg	TM116		<10 #	23.8 M	27.5 M	<10 M		
Styrene	<10 µg/kg	TM116		<10 #	<10 M	<10 M	<10 M		
Bromoform	<10 µg/kg	TM116		<10 #	<10 M	<10 M	<10 M		
Isopropylbenzene	<5 µg/kg	TM116		<5 #	<5 M	<5 M	<5 M		
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #		
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 #	<17 M	<17 M	<17 M		
Bromobenzene	<10 µg/kg	TM116		<10 #	<10 M	<10 M	<10 M		
Propylbenzene	<11 µg/kg	TM116		<11 #	<11 M	<11 M	<11 M		
2-Chlorotoluene	<9 µg/kg	TM116		<9 #	<9 M	<9 M	<9 M		
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		82.3 #	79.1 #	47.9 #	<8 #		
4-Chlorotoluene	<12 µg/kg	TM116		<12 #	<12 M	<12 M	<12 M		
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #		
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	118 #	143 #	<9 #		
sec-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 M	<10 M	<10 M		
4-Isopropyltoluene	<11 µg/kg	TM116		<11 #	<11 M	<11 M	<11 M		
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 #	<6 M	<6 M	<6 M		
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 #	<5 M	<5 M	<5 M		
n-Butylbenzene	<10 µg/kg	TM116		<10 #	<10 M	<10 M	<10 M		
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 #	<12 M	<12 M	<12 M		
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 #	<14 M	<14 M	<14 M		
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<15		
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #		
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12		
Naphthalene	<13 µg/kg	TM116		<13 #	<13 M	<13 M	<13 M		
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 M	<6 M	<6 M		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926311	4926312	4926313	4926314	4926315	4926316
			AGS Reference						
Dibromofluoromethane**	%	TM208				122	126		
Toluene-d8**	%	TM208				101	101		
4-Bromofluorobenzene**	%	TM208				98.5	100		
Dichlorodifluoromethane	<1 µg/l	TM208				<1 #	<1 #		
Chloromethane	<1 µg/l	TM208				<1 #	<1 #		
Vinyl chloride	<1 µg/l	TM208				<1 #	<1 #		
Bromomethane	<1 µg/l	TM208				<1 #	<1 #		
Chloroethane	<1 µg/l	TM208				<1 #	<1 #		
Trichlorofluoromethane	<1 µg/l	TM208				<1 #	<1 #		
1,1-Dichloroethene	<1 µg/l	TM208				<1 #	<1 #		
Carbon disulphide	<1 µg/l	TM208				<1 #	<1 #		
Dichloromethane	<3 µg/l	TM208				<3 #	<3 #		
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208				<1 #	<1 #		
trans-1,2-Dichloroethene	<1 µg/l	TM208				<1 #	<1 #		
1,1-Dichloroethane	<1 µg/l	TM208				<1 #	<1 #		
cis-1,2-Dichloroethene	<1 µg/l	TM208				<1 #	<1 #		
2,2-Dichloropropane	<1 µg/l	TM208				<1 #	<1 #		
Bromochloromethane	<1 µg/l	TM208				<1 #	<1 #		
Chloroform	<1 µg/l	TM208				<1 #	<1 #		
1,1,1-Trichloroethane	<1 µg/l	TM208				<1 #	<1 #		
1,1-Dichloropropene	<1 µg/l	TM208				<1 #	<1 #		
Carbontetrachloride	<1 µg/l	TM208				<1 #	<1 #		
1,2-Dichloroethane	<1 µg/l	TM208				5.09	<1		
Benzene	<1 µg/l	TM208				<1 #	<1 #		
Trichloroethene	<1 µg/l	TM208				<1 #	<1 #		
1,2-Dichloropropane	<1 µg/l	TM208				<1 #	<1 #		
Dibromomethane	<1 µg/l	TM208				<1 #	<1 #		
Bromodichloromethane	<1 µg/l	TM208				<1 #	<1 #		
cis-1,3-Dichloropropene	<1 µg/l	TM208				<1 #	<1 #		
Toluene	<1 µg/l	TM208				<1 #	<1 #		
trans-1,3-Dichloropropene	<1 µg/l	TM208				<1 #	<1 #		
1,1,2-Trichloroethane	<1 µg/l	TM208				<1 #	<1 #		
1,3-Dichloropropane	<1 µg/l	TM208				<1 #	<1 #		
Tetrachloroethene	<1 µg/l	TM208				<1 #	<1 #		
Dibromochloromethane	<1 µg/l	TM208				<1 #	<1 #		

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (W)

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926311	4926312	4926313	4926314	4926315	4926316
			AGS Reference						
1,2-Dibromoethane	<1 µg/l	TM208				<1 #	<1 #		
Chlorobenzene	<1 µg/l	TM208				<1 #	<1 #		
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208				<1 #	<1 #		
Ethylbenzene	<1 µg/l	TM208				<1 #	<1 #		
m,p-Xylene	<1 µg/l	TM208				<1 #	<1 #		
o-Xylene	<1 µg/l	TM208				<1 #	<1 #		
Styrene	<1 µg/l	TM208				<1 #	<1 #		
Bromoform	<1 µg/l	TM208				<1 #	<1 #		
Isopropylbenzene	<1 µg/l	TM208				<1 #	<1 #		
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208				<1	<1		
1,2,3-Trichloropropane	<1 µg/l	TM208				<1 #	<1 #		
Bromobenzene	<1 µg/l	TM208				<1 #	<1 #		
Propylbenzene	<1 µg/l	TM208				<1 #	<1 #		
2-Chlorotoluene	<1 µg/l	TM208				<1 #	<1 #		
1,3,5-Trimethylbenzene	<1 µg/l	TM208				<1 #	<1 #		
4-Chlorotoluene	<1 µg/l	TM208				<1 #	<1 #		
tert-Butylbenzene	<1 µg/l	TM208				<1 #	<1 #		
1,2,4-Trimethylbenzene	<1 µg/l	TM208				<1 #	<1 #		
sec-Butylbenzene	<1 µg/l	TM208				<1 #	<1 #		
4-iso-Propyltoluene	<1 µg/l	TM208				<1 #	<1 #		
1,3-Dichlorobenzene	<1 µg/l	TM208				<1 #	<1 #		
1,4-Dichlorobenzene	<1 µg/l	TM208				<1 #	<1 #		
n-Butylbenzene	<1 µg/l	TM208				<1 #	<1 #		
1,2-Dichlorobenzene	<1 µg/l	TM208				<1	<1		
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208				<1	<1		
1,2,4-Trichlorobenzene	<1 µg/l	TM208				<1 #	<1 #		
Hexachlorobutadiene	<1 µg/l	TM208				<1 #	<1 #		
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208				<1 #	<1 #		
Naphthalene	<1 µg/l	TM208				<1 #	<1 #		
1,2,3-Trichlorobenzene	<1 µg/l	TM208				<1 #	<1 #		
1,3,5-Trichlorobenzene	<1 µg/l	TM208				<1	<1		
Dibromofluoromethane**	%	TM208		118	126			110	116
Toluene-d8**	%	TM208		100	101			100	99.6
4-Bromofluorobenzene**	%	TM208		99.1	98.1			101	99.4
Dichlorodifluoromethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (W)

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926311	4926312	4926313	4926314	4926315	4926316
			AGS Reference						
Chloromethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208		<1 #	<1 #			7.52 #	3.95 #
Bromomethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Chloroethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #			1.39 #	<1 #
Carbon disulphide	<1 µg/l	TM208		<1 #	<1 #			2.19 #	<1 #
Dichloromethane	<3 µg/l	TM208		6.29 #	<3 #			360 #	246 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
2,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Chloroform	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208		28.5	13			883 §	418 §
Benzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Toluene	<1 µg/l	TM208		<1 #	<1 #			2.44 #	<1 #
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

VOC MS (W)

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

Component	LOD/Units	Method	Customer Sample R	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Saline A	Saline A	Water(GW/SW)	Water(GW/SW)
			Date Sampled	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011	20/12/2011
			Date Received	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011	21/12/2011
			SDG Ref	111221-3	111221-3	111221-3	111221-3	111221-3	111221-3
			Lab Sample No.(s)	4926311	4926312	4926313	4926314	4926315	4926316
			AGS Reference						
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
o-Xylene	<1 µg/l	TM208		<1 #	<1 #			5.07 #	1.36 #
Styrene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Bromoform	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1	<1			<1	<1
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #			4.97 #	1.34 #
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,2-Dichlorobenzene	<1 µg/l	TM208		<1	<1			<1	<1
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1			<1	<1
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
Naphthalene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #			<1 #	<1 #
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1			<1	<1

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Notification of Deviating Samples

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
4975197	DIME WT IN		LIQUID	VOC MS (W)	1,2-Dichloroethane	Container with Headspace provided for volatiles analysis
4975216	DIME WT OUT		LIQUID	VOC MS (W)	1,2-Dichloroethane	Container with Headspace provided for volatiles analysis

Note : Test results may be compromised

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Table of Results - Appendix

REPORT KEY

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

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

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	4926304	4926305	4926297	4926299	4926300	4926301	4926307	4926308	4926309	4926310
Customer Sample Ref.	DIME BASE 1	DIME BASE 2	DIME SP 1	DIME SP 2	DIME SP 3	DIME SP 4	DIME TMP 5	DIME TMP 6	DIME TMP 7	DIME TMP 8
AGS Ref.										
Depth										
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
EPH CWG (Aliphatic) GC (S)	03-Jan-2012	04-Jan-2012	03-Jan-2012	03-Jan-2012	04-Jan-2012	03-Jan-2012	04-Jan-2012	04-Jan-2012	04-Jan-2012	04-Jan-2012
EPH CWG (Aromatic) GC (S)	03-Jan-2012	04-Jan-2012	03-Jan-2012	03-Jan-2012	04-Jan-2012	03-Jan-2012	04-Jan-2012	04-Jan-2012	04-Jan-2012	04-Jan-2012
GRO by GC-FID (S)	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012
Metals by iCap-OES (Soil)	04-Jan-2012	03-Jan-2012	04-Jan-2012	04-Jan-2012	03-Jan-2012	04-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	04-Jan-2012
pH	30-Dec-2011	30-Dec-2011	30-Dec-2011	30-Dec-2011	03-Jan-2012	03-Jan-2012	30-Dec-2011	03-Jan-2012	30-Dec-2011	30-Dec-2011
Sample description	29-Dec-2011	29-Dec-2011	29-Dec-2011	29-Dec-2011	29-Dec-2011	29-Dec-2011	29-Dec-2011	29-Dec-2011	29-Dec-2011	29-Dec-2011
Semi Volatile Organic Compounds	02-Jan-2012	03-Jan-2012	02-Jan-2012	03-Jan-2012	02-Jan-2012	03-Jan-2012	02-Jan-2012	02-Jan-2012	02-Jan-2012	02-Jan-2012
TPH CWG GC (S)	03-Jan-2012	04-Jan-2012	03-Jan-2012	03-Jan-2012	04-Jan-2012	03-Jan-2012	04-Jan-2012	04-Jan-2012	04-Jan-2012	04-Jan-2012
VOC MS (S)	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012	03-Jan-2012

Lab Sample No(s)	4926311	4926312	4926313	4926314	4926315	4926316
Customer Sample Ref.	DIME TMP LAGOON 1	DIME TMP LAGOON 2	DIME TRENCH NORTH	DIME TRENCH SOUTH	DIME WT IN	DIME WT OUT
AGS Ref.						
Depth						
Type	LIQUID	LIQUID	SALINE_A	SALINE_A	LIQUID	LIQUID
EPH CWG (Aliphatic) Aqueous GC (W)			04-Jan-2012	04-Jan-2012		
EPH CWG (Aromatic) Aqueous GC (W)			04-Jan-2012	04-Jan-2012		
GRO by GC-FID (W)			03-Jan-2012	03-Jan-2012		
pH Value	03-Jan-2012	03-Jan-2012	29-Dec-2011	29-Dec-2011	03-Jan-2012	03-Jan-2012
SVOC MS (W) - Aqueous	04-Jan-2012	04-Jan-2012	03-Jan-2012	03-Jan-2012	04-Jan-2012	04-Jan-2012
TPH CWG (W)			04-Jan-2012	04-Jan-2012		
VOC MS (W)	02-Jan-2012	02-Jan-2012	02-Jan-2012	02-Jan-2012	04-Jan-2012	04-Jan-2012

SDG:	111221-3	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0203
Job:	H_ATKINS_LDC-17	**Customer:**	Atkins Global Ltd	**Report Number:**	165938
Client Reference:	DiME water samples	**Attention:**	Selina Bamforth	**Superseded Report:**	

Appendix

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

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

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

6. When requested, the individual sub sample scheduled will be screened in house for the presence of 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. Is an asbestos fibre type is found it will be reported as detected (for each fibre type found). If asbestos is present either as asbestos containing material or loose fibres no further analysis will be undertaken. The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample -similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 -C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB TOT/PCB CON	D&C	HEXANE:ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE:ACETONE	MICROWAVE TM218.	GC-MS
C8-C40 (C8-C40) EZ FLASH	WET	HEXANE:ACETONE	SHAKER	GC-EZ
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM:ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

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

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

1,2, Dichloroethane

NSR In	
Date	Concentration
16/06/2010	1040
28/06/2010	78.3
06/07/2010	419
21/07/2010	30.3
03/08/2010	68.4
13/08/2010	65.9
18/08/2010	66.8
31/08/2010	68.1
17/09/2010	70.3
22/09/2010	85.5
30/09/2010	30.2
19/10/2010	88.2
27/10/2010	18.6
01/11/2010	52.1
19/11/2010	14
02/12/2010	38.8
09/12/2010	70.6
05/01/2011	18.6
13/01/2011	23.2
20/01/2011	13.3
04/02/2011	31.8
04/02/2011	18.4
09/03/2011	48.2
09/03/2011	12.5
17/03/2011	42.7
17/03/2011	9.91
25/03/2011	9.7
30/03/2011	51
30/03/2011	17.1
06/04/2011	25.6
06/04/2011	<3.3
14/04/2011	38.9

NRS Out	
Date	Concentration
04/06/2010	-
28/06/2010	<3.3
06/07/2010	<3.3
17/09/2010	<3.3
22/09/2010	<3.3
30/09/2010	<3.3
19/10/2010	<3.3
27/10/2010	<3.3
01/11/2010	<3.3
12/11/2010	<3.3
19/11/2010	<3.3
02/12/2010	<3.3
09/12/2010	<3.3
05/01/2011	<3.3
13/01/2011	3.83
20/01/2011	<3.3
04/02/2011	4.06
09/03/2011	<3.3
17/03/2011	<3.3
30/03/2011	<3.3
06/04/2011	<3.3
14/04/2011	<3.3
05/05/2011	<3.3
13/05/2011	<3.3
03/06/2011	<3.3
21/06/2011	<3.3
01/07/2011	<1
14/07/2011	<3.3
28/07/2011	<1
11/08/2011	<1
02/09/2011	<1
02/09/2011	<1

1,2, Dichloroethane

NSR In	
Date	Concentration
14/04/2011	<3.3
05/05/2011	30.4
13/05/2011	49.4
03/06/2011	98.8
21/06/2011	179
01/07/2011	94.5
01/07/2011	<1
14/07/2011	100
14/07/2011	8.68
28/07/2011	<1
11/08/2011	27.2
11/08/2011	<1
02/09/2011	<1
02/09/2011	<1
02/09/2011	<1
02/09/2011	7.54
20/09/2011	108
20/09/2011	41.7
20/09/2011	<1
20/09/2011	27.8
28/09/2011	15.9
05/10/2011	35
05/10/2011	17.2
21/10/2011	32.2
09/11/2011	40.8
16/11/2011	81.3
24/11/2011	1590
11/01/2012	1.92
25/01/2012	<1
12/02/2012	<1
15/02/2012	5.92
23/02/2012	399

NRS Out	
Date	Concentration
20/09/2011	<1
28/09/2011	<1
05/10/2011	<1
21/10/2011	<1
09/11/2011	<1
16/11/2011	<1
11/01/2012	2.41
25/01/2012	<1
12/02/2012	<1
15/02/2012	1.9
23/02/2012	1.31
29/02/2012	<1
08/03/2012	<1
14/03/2012	<1
21/03/2012	<1
11/04/2012	<1
17/04/2012	<1
02/05/2012	<1
16/05/2012	<1
23/05/2012	<1
07/06/2012	<1
13/06/2012	<1
01/08/2012	<1
08/08/2012	<1
16/08/2012	<1
22/08/2012	<1
30/08/2012	<1
05/09/2012	<1
12/09/2012	<1
19/09/2012	<1
28/09/2012	<1
04/10/2012	<1

1,2, Dichloroethane

NSR In	
Date	Concentration
29/02/2012	79.2
08/03/2012	<1
14/03/2012	<1
21/03/2012	<1
11/04/2012	<1
17/04/2012	9.01
02/05/2012	4.35
12/05/2012	<1
16/05/2012	<1
23/05/2012	<1
07/06/2012	<1
13/06/2012	<1
20/06/2012	<1
26/06/2012	3.07
04/07/2012	<1
10/07/2012	2.38
19/07/2012	<1
25/07/2012	<1
01/08/2012	<1
08/08/2012	<1
16/08/2012	<1
22/08/2012	<1
30/08/2012	<1
05/09/2012	<1
12/09/2012	<1
19/09/2012	<1
28/09/2012	<1
04/10/2012	<1
11/10/2012	<1
17/10/2012	<1
24/10/2012	<1
31/10/2012	1.16

NRS Out	
Date	Concentration
11/10/2012	<1
17/10/2012	<1
24/10/2012	<1
31/10/2012	<1
07/11/2012	<1
13/11/2012	<1
21/11/2012	<1
27/11/2012	<1
05/12/2012	<1
12/12/2012	1.72
18/12/2012	<1
10/01/2013	<1
16/01/2013	<1
23/01/2013	<1
30/01/2013	<1
06/02/2013	<1
13/02/2013	<1
21/02/2013	<1
07/03/2013	<1
13/03/2013	<1
20/03/2013	<1
03/04/2013	<1
09/04/2013	<1
17/04/2013	<1
25/04/2013	<1
01/05/2013	<1
16/05/2013	<1
31/05/2013	<1
05/06/2013	<1
12/06/2013	<1
19/06/2013	<1
26/06/2013	<1

1,2, Dichloroethane

NSR In	
Date	Concentration
07/11/2012	<1
13/11/2012	<1
21/11/2012	<1
27/11/2012	<1
12/12/2012	3.39
18/12/2012	<1
10/01/2013	<1
16/01/2013	<1
23/01/2013	<1
24/01/2013	<1
30/01/2013	<1
06/02/2013	<1
13/02/2013	<1
21/02/2013	3.15
07/03/2013	<1
13/03/2013	2.03
20/03/2013	5.38
03/04/2013	2.22
09/04/2013	<1
17/04/2013	<1
25/04/2013	<1
01/05/2013	<1
16/05/2013	3.22
31/05/2013	<1
12/06/2013	<1
19/06/2013	<1
26/06/2013	<1
03/07/2013	<1
10/07/2013	<1
17/07/2013	<1
24/07/2013	<1
07/08/2013	<1

NRS Out	
Date	Concentration
03/07/2013	<1
10/07/2013	<1
17/07/2013	<1
24/07/2013	<1
07/08/2013	<1
14/08/2013	<1
21/08/2013	<1
28/08/2013	<1
04/09/2013	<1
11/09/2013	<1
18/09/2013	<1
25/09/2013	<1
02/10/2013	<1
10/10/2013	<1
16/10/2013	<1
23/10/2013	<1
30/10/2013	<1
06/11/2013	<1
13/11/2013	<1
20/11/2013	<1
27/11/2013	<1
04/12/2013	<1
11/12/2013	<1
09/01/2014	<1
15/01/2014	<1
22/01/2014	<1
29/01/2014	<1
05/02/2014	<1
12/02/2014	<1
19/02/2014	<1
05/03/2014	<1
12/03/2014	<1

1,2, Dichloroethane

NSR In		NRS Out	
Date	Concentration	Date	Concentration
14/08/2013	<1	19/03/2014	<1
21/08/2013	<1	25/03/2014	<1
28/08/2013	<1	03/04/2014	<1
04/09/2013	<1	09/04/2014	<1
11/09/2013	<1	23/04/2014	<1
18/09/2013	<1	30/04/2014	<1
25/09/2013	<1	08/05/2014	<1
02/10/2013	<1	14/05/2014	<1
10/10/2013	<1	22/05/2014	<1
16/10/2013	<1	29/05/2014	<1
23/10/2013	<1	06/06/2014	<1
30/10/2013	<1	21/06/2014	<1
06/11/2013	<1	10/07/2014	<1
13/11/2013	<1	17/07/2014	<1
20/11/2013	<1	07/08/2014	<1
27/11/2013	<1	13/08/2014	<1
04/12/2013	<1	27/08/2014	<1
11/12/2013	<1	04/09/2014	<1
09/01/2014	<1	11/09/2014	<1
15/01/2014	<1	18/09/2014	<1
22/01/2014	<1	24/09/2014	<1
29/01/2014	<1	01/10/2014	<1
05/02/2014	<1	09/10/2014	<1
12/02/2014	<1	30/10/2014	<1
19/02/2014	<1	06/11/2014	<1
05/03/2014	<1	12/11/2014	<1
12/03/2014	<1	20/11/2014	<1
19/03/2014	<1	03/12/2014	<1
25/03/2014	<1	17/12/2014	<1
03/04/2014	<1	09/01/2015	<1
09/04/2014	<1	14/01/2015	<1
23/04/2014	<1	22/01/2015	<1

1,2, Dichloroethane

NSR In		NRS Out	
Date	Concentration	Date	Concentration
30/04/2014	<1		
08/05/2014	<1		
14/05/2014	<1		
22/05/2014	<1		
29/05/2014	<1		
06/06/2014	<1		
21/06/2014	<1		
10/07/2014	<1		
17/07/2014	<1		
07/08/2014	<1		
13/08/2014	<1		
27/08/2014	<1		
04/09/2014	<1		
11/09/2014	<1		
18/09/2014	<1		
24/09/2014	<1		
01/10/2014	<1		
09/10/2014	<1		
30/10/2014	<1		
06/11/2014	<1		
12/11/2014	<1		
20/11/2014	<1		
03/12/2014	<1		
17/12/2014	<1		
09/01/2015	<1		
14/01/2015	<1		
22/01/2015	<1		

DiME validation pits water samples

Exceedances of the guideline value

Waters
TPH

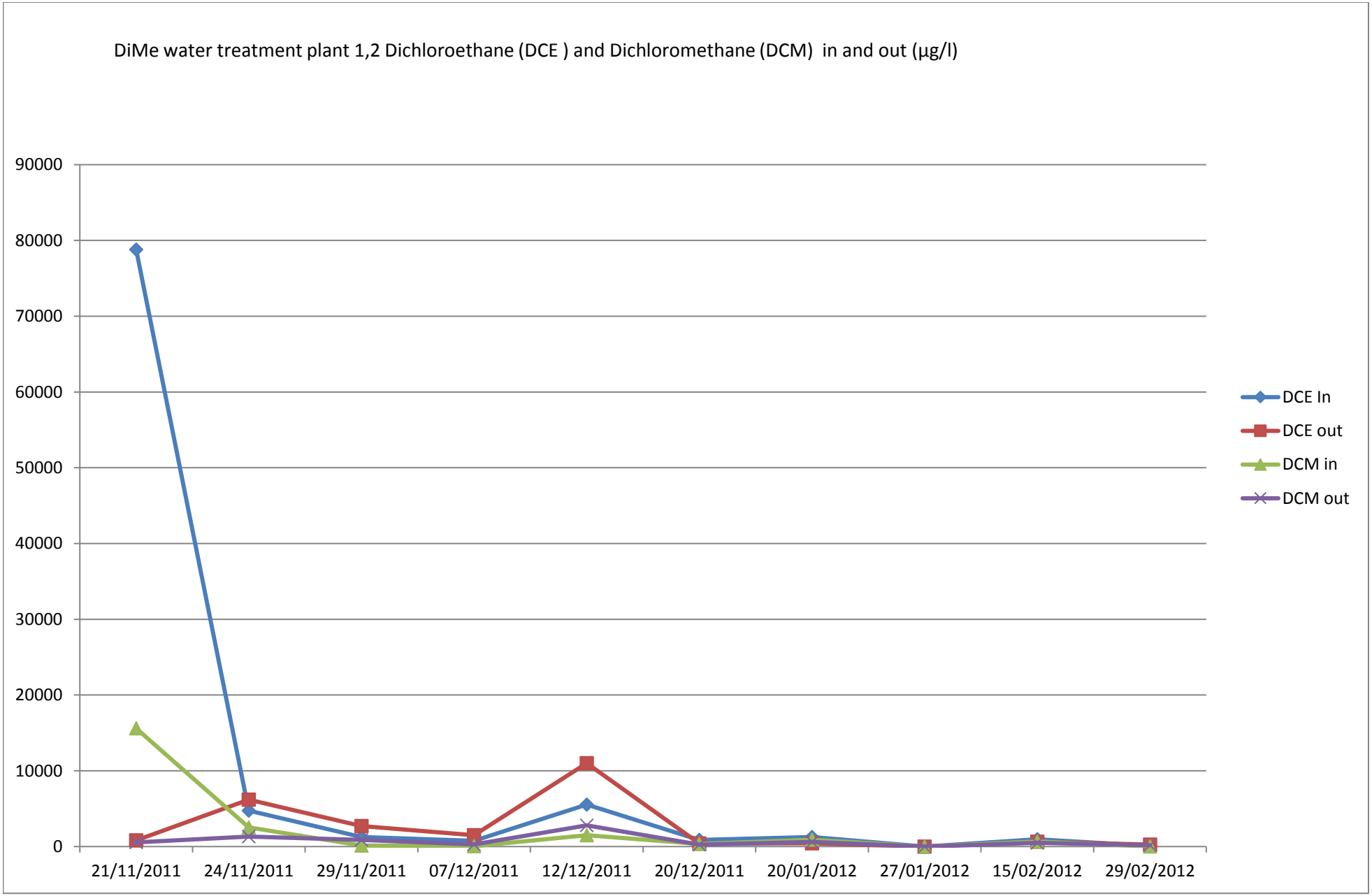
Sample Location	Date	GPS Location Readings		Determinand	C5 - C6, aliphatic	C6 - C8, aliphatic	C8 - C10, aliphatic	C10 - C12, aliphatic	C12 - C16, aliphatic	C16 - C21, aliphatic	C21 - C35, aliphatic	C16 - C35, aliphatic	Total aliphatics >C5-C35	C6 - C7, aromatic	C7 - C8, aromatic	C8 - C10, aromatic	C10 - C12, aromatic	C12 - C16, aromatic	C16 - C21, aromatic	C21 - C35, aromatic	Total aromatic >C6-C35	Total TPH aromatic + aliphatic >C5-C35
				Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		X	Y	Method Detection Limit	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
DMVW007	18/05/2012				150	41	150	506	2220	4140	33400			<10	<10	113	337	768	1890	9990		
DMVW011	18/05/2012				<10	<10	37	221	6720	7510	6240			<10	<10	28	147	1880	2950	2280		
DMVW016	21/05/2012				173	1250	7530	7720	404000	373000	570000			20	<10	5020	5150	49500	56200	125000		
DMVW019	21/05/2012				27	48	61	103	17600	284000	7330000			<10	<10	41	69	10000	141000	1660000		
DMVW026	22/05/2012				<10	44	35	82	1190	3400	25600			<10	<10	26	55	417	2040	15900		
DMVW027	22/05/2012				<10	33	80	209	7520	31200	343000			<10	<10	58	139	1390	12000	111000		
DMVW030	22/05/2012				<10	<10	10	22	347	936	4720			<10	<10	<10	15	50	411	3340		
				Assessment Criteria	-	-	-	-	-	-	-	-	-	-	-	38000	-	-	-	-	-	-

DiME validation pits water samples

Exceedances of the guideline value

Waters
PAHs ,
VOCs and
BTEX

Sample Location	date	GPS Location Readings		Determinand	Naphthalene	Benzene	Toluene	Ethylbenzene	Xylene	1.2-Dichloroethane	1.1.1-Trichloroethane	Tetrachloroethene	Trichloroethene	Vinyl chloride	Dichloromethane	Cis-1,2 Dichloroethene	Trans-1,2 Dichloroethene	1.1.1.2 - Tetrachloroethane	1.1.2.2 - Tetrachloroethane	Carbon Tetrachloride	Chlorobenzene
				Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		X	Y	Method Detection Limit																	
DMVW007	18/05/2012				3.43	<7	<4	<5	<11	3.02	<1	<1	<1	<1	<3	<1	<1	<1	<1	<1	<1
DMVW011	18/05/2012				<1	<7	<4	<5	<11	4.17	<1	<1	<1	<1	<3	<1	<1	<1	<1	<1	<1
DMVW016	21/05/2012				16600	20	<4	<5	<11	<1	8.96	<1	<1	<1	<3	<1	<1	<1	<1	<1	<1
DMVW019	21/05/2012				<1	<7	<4	<5	<11	<1	<1	<1	<1	<1	<3	<1	<1	<1	<1	<1	<1
DMVW026	22/05/2012				<1	<7	<4	<5	<11	115	<1	<1	<1	2.62	7.4	<1	<1	<1	<1	<1	<1
DMVW027	22/05/2012				<1	8	<4	<5	<11	24.9	<1	<1	<1	<1	4.2	<1	<1	<1	<1	<1	<1
DMVW030	22/05/2012				<1	<7	<4	<5	<11	11.2	<1	<1	<1	<1	3.6	<1	<1	<1	<1	<1	<1
			Assessment Criteria		-	3500	-	-	170000	1500	530000	69000	9000	90	500000	22000	26000	44000	300000	930	-


DiMe water treatment plant 1,2 Dichloroethane (DCE) and Dichloromethane (DCM) in and out (µg/l)
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
21/11/2011
24/11/2011
29/11/2011
07/12/2011
12/12/2011
20/12/2011
20/01/2012
27/01/2012
15/02/2012
29/02/2012
DCE In
DCE out
DCM in
DCM out

DiME remediation

Waters

PAHs , VOCs and BTEX

Sample Location	date	GPS Location Readings		Determinand	Naphthalene	Benzene	Toluene	Ethylbenzene	Xylene	1.2-Dichloroethane				1.1.1-Trichloroethane	Tetrachloroethene	Trichloroethene	Vinyl chloride	Dichloromethane	Cis-1,2 Dichloroethene	Trans-1,2 Dichloroethene	1.1.1.2 - Tetrachloroethane	1.1.2.2 - Tetrachloroethane	Carbon Tetrachloride	Chlorobenzene
				Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l				µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		X	Y	Method Detection Limit																				
Dire WT IN	21/11/2011				3.21	7	4	<5	18	78800	827	15600	550	3.37	<1	4.5	129	15600	1.69	2.27	<1	<1	<1	<1
Dire WT In	24/11/2011				<1	<7	<4	<5	<11	4740	6190	2540	1310	<1	<1	<1	24.2	2540.0	<1	<1	<1	<1	<1	<1
DIME WT IN	29/11/2011				7.92	<7	7	6	41	1260	2710	150	879	<1	<1	<1	9.18	150.0	<1	<1	<1	<1	<1	<1
DIME WT IN	07/12/2011				5.78	2.54	5.07	3.39	20.9	767	1510	48.8	298	<1	<1	1.06	8.06	48.8	<1	<1	<1	<1	<1	<1
DIME WT IN	12/12/2011				2.62	1.84	3.11	1.36	6.53	5540	11000	1490	2800	<1	<1	2.07	19	1490.0	<1	<1	<1	<1	<1	<1
DIME WT IN	20/12/2011				<1	<1	2.44	<1	5.07	883	418	360	246	<1	<1	<1	7.52	360.0	<1	<1	<1	<1	<1	<1
DIME WT IN	20/01/2012				<1	1.98	1.56	<1	4.09	1260	424	895	624	<1	<1	<1	17.7	895.0	<1	<1	<1	<1	<1	<1
DIME WT IN	27/01/2012				<1	1.38	1.17	<1	<1	<1	<1	<3	<3	<1	<1	<1	<1	<3	<1	<1	<1	<1	<1	<1
DIME WT IN	15/02/2012				<1	1.95	1.43	<1	4.98	970	635	680	499	<1	<1	<1	14	680.0	<1	<1	<1	<1	<1	<1
DIME WT IN	29/02/2012				<1	<1	<1	<1	<1	76.7	268	25	178	<1	<1	<1	<1	25.0	<1	<1	<1	<1	<1	<1
Dire WT OUT	21/11/2011				<1	<7	<4	<5	<11	827				<1	<1	<1	2.17	550	<1	<1	<1	<1	<1	<1
Dire WT Out	24/11/2011				9.75	<7	8	8	44	6190				<1	<1	2.34	30.4	1310.0	<1	<1	<1	<1	<1	<1
DIME WT OUT	29/11/2011				2.31	<7	<4	<5	15	2710				<1	<1	<1	13.9	879.0	<1	<1	<1	<1	<1	<1
DIME WT OUT	07/12/2011				<1	2.46	2.95	<1	4.81	1510				<1	<1	<1	10.4	298.0	<1	<1	<1	<1	<1	<1
DIME WT OUT	12/12/2011				<1	1.29	1.92	<1	2.16	11000				1.11	<1	2.03	26.5	2800.0	<1	<1	<1	<1	<1	<1
DIME WT OUT	20/12/2011				<1	<1	<1	<1	1.36	418				<1	<1	<1	3.95	246.0	<1	<1	<1	<1	<1	<1
DIME WT OUT	20/01/2012				<1	<1	<1	<1	<1	424				<1	<1	<1	8.37	624.0	<1	<1	<1	<1	<1	<1
DIME WT OUT	27/01/2012				<1	<1	<1	<1	<1	<1				<1	244	<1	<1	<3	1.5	<1	<1	<1	<1	<1	<1
DIME WT OUT	15/02/2012				<1	<1	<1	<1	<1	635				<1	<1	<1	5.87	499.0	<1	<1	<1	<1	<1	<1
DIME WT OUT	29/02/2012				<1	<1	<1	<1	<1	268				<1	<1	<1	<1	178.0	<1	<1	<1	<1	<1	<1
								827																
								6190																
								2710																
								1510																
								11000																
								418																
								424																
								<1																
								635																
								268																
				Number of samples	20.00	20	20	30	20	20				20	20	20	20	20	20	20	20	20	20	20
				Minimum value	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
				Maximum value	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
				Second highest value	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-	-
				Range	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-	-
				Average concentration	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-	-
				Number of exceedances	0.00	0.00	0.00	0.00	0.00	7.00				0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				% above assessment criteria	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-	-
				Source of assessment criteria	RTC	RTC	RTC	RTC	RTC	RTC				RTC	RTC	RTC	RTC	RTC	RTC	RTC	RTC	RTC	RTC	RTC
				Assessment Criteria	-	3500	-	-	170000	1500				530000	69000	9000	90	500000	22000	26000	44000	300000	930	-

Michelle Lee

Atkins Ltd.
The Axis
10 Holliday Street
Birmingham
B1 1TF

michelle.lee@atkinsglobal.com
07812 23 7628

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Coed Darcy

Validation Report
(Monitor Phase 48)

St. Modwen Developments Limited



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Client signoff

Client	St Modwen Developments Limited
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Glossary of Terms

Term	Meaning / Definition
CSM	Conceptual Site Model
RBSL	Risk Based Screening Level
RTC	Remedial Target Criterion
TPH	Total Petroleum Hydrocarbons
UXO	Unexploded Ordnance
PAH	Polycyclic Aromatic Hydrocarbons
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
FFL	Finished Floor Level*
ACM	Asbestos Containing Material
RAP	Remediation Action Plan
VO	Visual/Olfactory Observations
BGL	Below Ground Level

1. Introduction

1.1. Client Brief and Scope of Works

Atkins Limited (Atkins) have been commissioned by St. Modwen Developments Limited (St. Modwen) to undertake an assessment of an area of land around the existing access to the former Llandarcy Oil Refinery in Neath, South Wales.

The purpose of this report is to confirm the suitability of this area, in order for St. Modwen to achieve sign off by the Monitor. For the purpose of Monitor sign off, this area is proposed as Monitor Phase 48, as shown on Drawing 5041216-ATK-DR-C-REM-2149. Current topographic detail and the current road alignment across this area is shown on drawing 5041216-ATK-DR-C-REM-2175.

Improvement works are ongoing around this area in order to reconfigure the existing road arrangement, in line with the proposed redevelopment of the former refinery. It is understood that Monitor Phase 48 is to remain as a series of proposed roads and localised landscaping within the final development.

The scope of works relating to this report includes:

- A review of readily available information including geological, hydrogeological, contamination data and historical site plans;
- A review of available historical maps relating to Monitor Phase 48 and the adjacent areas;
- A review of historical (2003) and more recent (2008-2011) ground investigation information relating to Monitor Phase 48;
- A review of completed remedial works within the surrounding areas, and
- Comparison of the available information and laboratory data against the requirements of the S106, specific to the proposed end use for Monitor Phase 48.

This report represents an update to a previously submitted version of this report, taking into account Monitor comments in RFI0152, June 2015.

1.2. Soil Quality Assessment Standards

To maintain consistency of approach, the assessment standards for historical and recent data adopted in this report are those stated in the S106 Agreement relating to the proposed redevelopment of the former refinery. The visual and aesthetic classification system, as previously defined by BP within the S106, is provided as Table 1.1.

Atkins continues to utilise this system for the classification of all soils encountered, to aid assessment of each area in terms of the required remediation requirements. The assigned classifications for each strata are quoted on the relevant exploratory hole logs.

Table 1.1 ï Scale of Aesthetic Criteria

Class	Visual	Olfactory
0	**No visible staining of soil, no visible suspect ACM*.**	**No detectable odour on soil.**
1	**Occasional staining of soil, no visible suspect ACM*.**	**Faint odour on soil.**
2	**Frequent staining of soil.**	**Distinct but not strong odour on soil.**
3	**Occasional heavy staining of soil.**	**Strong odour on soil.**
4	**Heavy staining of soil.**	**Strong odour discernible in ambient air.**
5	**Visible hydrocarbon present.**	**Overwhelming odour.**

* visible suspect ACM refers to asbestos containing material visible to the naked eye which a reasonable and prudent person used to managing asbestos may suspect to be asbestos-containing.

Schedule 8 of the S106 also presents a series of contamination thresholds for the site, referred to as Risk Based Screening levels (RBSLs). These levels are defined in the S106 as being the 'minimum base level standard' for redevelopment remediation works (Schedule 8, Part 2, Paragraph 2,5) in line with the proposed end use for an area.

In order to update the RBSLs, these thresholds are also now supplemented by a series of Remedial Target Concentrations (RTCs) derived by Atkins (Atkins reference: 5041216-REM-REP-000476 v1). A summary of the adopted thresholds for Monitor Phase 48 are presented in Appendix G.

Compliance with the redevelopment remediation requirements, stated within Schedule 8 of the S106, form the basis for obtaining the relevant sign off from the Monitor.

Details of the required frequencies of testing, as stated within the S106, are presented in Section 5.

1.3. Sources of Information

The following sources of information have been reviewed as part of the preparation of this report:

- *BGS Sheet 247, 1:50,000 'Swansea' and Sheet 79 NW, 1:10.560*
- *Coal Authority/BGS Ground Stability Report 00056014-08 dated 15th August 2008.*
- *URS Report no. 4438274/BRRP0001 'BP Llandarcy Refinery Desk Study' dated 5th July 2007.*
- *URS Report no. FR1287 'Final Factual Report for Whole Site Investigation – BP Llandarcy Refinery', dated 12th August 2005.*
- *Dewey & LeBoeuf GNP/NJR/13773-2, S106 Deed of Planning Obligations, February 2008*
- *Atkins report 5041216/REM/RPT/126, Coed Darcy Urban Village, NAR Geo-environmental Summary and Outline Remediation Strategy, April 2012.*
- *Atkins Technical Note 'Coed Darcy J43 Improvements and Site Access, 28th November 2011 (refer to Appendix B)*
- *ESG Factual Report H1065-11, November 2011 (refer to Appendix C).*
- *Atkins Drawing 5137836/M4J43/P20 Mineshaft 3 Proposed Modification-General Arrangement (refer to Appendix D).*

1.4. Limitations

This report has been prepared with the sole intention of providing sufficient information to enable St. Modwen to obtain Monitor sign off for Monitor Phase 48 in accordance with criteria set out in

Schedule 8 of the 106 Agreement for the site. Whilst the report may be relevant, additional reports, data review and submissions may be required as part of any future development of this area. The proposed works do not include a review of any geotechnical issues or other constraints that may exist within this area and which would need to be taken into account as part of any proposed redevelopment.

Due to access restrictions posed by the presence and ongoing use of existing highways and live services within Monitor Phase 48, intrusive investigation was not possible in certain areas as part of the assessment.

The investigation works undertaken and summarised within this report represent a sampling exercise to determine ground conditions, in line with the required methodology outlined within the S106. As with any ground investigation there is the possibility of variation in ground conditions between sampling locations and over time. The reported ground conditions are based on observations and measurements made at the time of the investigations and during subsequent monitoring visits. These conditions may be subject to variation due to atmospheric, seasonal or other effects.

It is understood that this area is proposed for retention as a series of roads and localised landscaping areas within the final development. Where a change in proposed end use is proposed, reassessment of the data will be required in order to confirm the need for additional investigation and/or further remediation.

2. The Site

2.1. Site Location and Description

Monitor Phase 48 is located immediately off Junction 43 of the M4 motorway, Neath, South Wales and represents the existing access to the former Llandarcy oil refinery (refer to Drawing 5041216-ATK-DR-C-REM-2149).

Monitor Phase 48 occupies an area of approximately 3.2 hectares (ha) and encompasses land both inside and outside of the former oil refinery.

At the time of writing, Monitor Phase 48 comprises a series of existing roadways, pavements and small landscaped areas. Works are ongoing around Monitor Phase 48, in order to reconfigure the existing road layout as part of the proposed redevelopment of the former refinery for a mixed end use.

In line with the surrounding topography, existing ground levels within Monitor Phase 48 generally decrease towards the east and north. The western part of Monitor Phase 48 coincides with an access road which runs on an embankment into the refinery and provides access to new residential housing being constructed by Persimmon. This road also provides access to a number of commercial properties, including the offices of Natural Resources Wales (NRW) which lie upslope to the south of Monitor Phase 48.

The eastern part of Monitor Phase 48 comprises a new road layout which connects the former refinery with the B4290 and ultimately the M4 Motorway which lies within a cutting in close proximity to the east.

An existing business park (Darcy Business Park) is present to the north of Monitor Phase 48.

Discussion relating to majority of Monitor Phase 48 and the surrounding area has been previously provided in Atkins report 5041216-J43A-RPT-0126 (refer to Section 1.3). Where relevant, information from this previous report has been used as part of the following assessment.

2.2. Site History

Early historical maps record Monitor Phase 48 and the surrounding area to have been largely undeveloped. The area of the former refinery is shown as woodland.

It is understood that Llandarcy Oil Refinery was first developed in 1921 to produce motor spirit, lubricating oil and fuel oils from crude oil. The refinery continued to expand until the late 1970s. After the mid 1980s, however, a series of rationalisations occurred with notice being given to close the site in 1997.

A review of historical refinery maps (URS Report BRRP0001) indicates a number of historical features within the vicinity of Monitor Phase 48, as shown on Drawing 5041216-ATK-DR-C-REM-2154.

Remedial works have been completed across areas to the south, west and north of Monitor Phase 48. Details of the works within these areas are presented in the following Atkins reports:

- *Atkins 5041216-PLOTS-TN-775, Validation of Proposed Road 90 (Monitor Phase 18), 18th May 2012.*
- *Atkins 5041216-PLOTS-TN-855, Validation of Road 90 (Monitor Phase 8), 19th June 2013*
- *Atkins report 5041216-REM-RPT-819 'Temporary Collection Chamber', September 2012 (Monitor Phase 20)*
- *Atkins report 5041216-REM-RPT-818 'Persimmon Phase 1A_Cordon Sanitaire', March 2013 (Monitor Phase 22)*

- *Atkins report 5041216-PLOTS-RPT-735 'Persimmon Phase 1A Validation Report, March 2012 (Monitor Phase 3)*
- *Atkins report 5041216-PLOTS-RPT-1016 'Commercial Area', May 2015 (Monitor Phase 28).*

Monitor certification has been received for all of these adjacent areas.

Reference to previous reports for this area indicates a number of existing refinery buildings within Monitor Phase 48. These were demolished as part of a wider demolition package by Cuddy Group in February 2009. The works included the removal of a semi basement beneath the former bath house in the northern part of Monitor Phase 48.

The security gatehouse was a small single storey brick building within the western part of Monitor Phase 48. This was demolished in 2011 as part of the reconfiguration of the existing access road and widening of the previous road embankment. The widening of the road embankment was carried out using approximately 4,500m^3 of site won 6F2, testing for which has been included as part of the following assessment.

2.3. Published Geology

The BGS 1:50,000 map (sheet 247 – Swansea) suggests Monitor Phase 48 to be underlain by Glacial Till overlying Upper Pennant Measures of Carboniferous age. These are described as comprising sandstones, siltstones and mudstones with occasional coal seams.

Solid strata underlying Monitor Phase 48 are shown to dip towards the north/north-west.

A review of ground conditions has been previously discussed in Atkins report 5041216-J43A-RPT-0126. This confirms ground conditions within Monitor Phase 48 to comprise granular Made Ground overlying variable natural soils (silts, sands, clays and gravels) or directly overlying sandstone bedrock.

2.4. Hydrogeology

Solid strata underlying Monitor Phase 48 (Upper Pennant Measures) are classified as a Secondary A Aquifer. These aquifers are further defined as:

'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.'

Atkins report 5041216-J43A-RPT-0126 (refer to section 1.3) suggests that groundwater beneath Monitor Phase 48 to lie within bedrock, with localised perched seepages within the overlying Made Ground and natural soils.

Based on previous assessment by others (Figure 10 in URS Report FR1287) regional groundwater flow within the vicinity of Monitor Phase 48 is expected to be in a northerly or north easterly direction, in line with the existing topography.

2.5. Landfills, Mining and Quarrying

There are no recorded landfills within 250m of Monitor Phase 48.

Historical quarrying operations are known to have taken place within the former oil refinery, as evident by a series of exposed rock faces locally. Based on the information available, there is no recorded evidence of historical quarrying activities within Monitor Phase 48.

The presence of recorded mineshafts to the east of Monitor Phase 48 has been previously discussed in Atkins report 5041216-J43A-RPT-126 and is further discussed in an Atkins Technical Note in Appendix B.

Coal Authority records indicate the nearest recorded mineshaft (Coal Authority ref: 272196-001) to have been 'infilled to an unknown specification in June 1972'. Geophysical investigation to locate the shaft was carried out in 2011 (refer to Appendix C). Subsequent investigation and treatment

works were carried out in 2015 as part of the reconfiguration of the roads within this area (refer to Appendix D).

3. Historical and Recent Ground Investigation

3.1. General

Ground investigation works are known to have taken place across Monitor Phase 48 during a number of phases, as shown on Drawing 5041216/ATK/DR/C/REM/2153.

A total of 5 exploratory holes were carried out within Monitor Phase 48 by URS during 2003 (URS FR1287). These comprised both cable percussive boreholes and machine excavated trial pits.

In order to update the available historical information, supplementary investigative works have subsequently been carried out within Monitor Phase 48 as below:

- A series of machine excavated trial pits (AR) in 2008 associated with the potential new access road.
- Three machine excavated trial pits in 2010 within the area of the former bath house (J43 001 to 003) and supervision of a series of hand dug pits to locate recorded services (refer to Appendix E)
- A series of machine excavated trial pits in March 2011 associated with the assessment of the proposed commercial area (CATP)
- A combination of window sampler, cable percussive/rotary boreholes and machine excavated trial pits in August 2011 associated with the design of the new highway reconfiguration (refer to Appendix C).

The locations of known exploratory locations within Monitor Phase 48 are presented as Drawing 5041216-ATK-DR-C-REM-2153.

Copies of exploratory logs and relevant photographs, taken during the above works, are presented in Appendix E. Copies of exploratory hole logs relating to the works in August 2011 are presented in the ESG Factual report in Appendix C.

3.2. Recorded Ground Conditions

Based upon a review of previous investigation, Made Ground has been shown to be present across Monitor Phase 48, to depths of between 0.2m (P1TP012) and 3.7m (AR20) below ground level (bgl). Consistent with the presence of outcropping rock to the south, sandstone appears to be generally shallower (<1.5m bgl) beneath the southern part of Monitor Phase 48 and overlain by granular Made Ground and/or natural silty/sandy soils. A slight hydrocarbon odour was reported in bedrock arisings from P1TP011.

The depth to sandstone appears to increase northwards (<2m depth) towards the central part of Monitor Phase 48. Evidence of visual and olfactory contamination appears to be localised to ‘staining’ and ‘solidified bitumen’ (VO=2,1) in CATP001 and ‘staining’ (VO=4,2) in CATP002. Fragments of wood, plastic, pipework, concrete and rubber hosing are all reported to have been identified locally within the Made Ground in this area. Fragments of asbestos sheeting are reported to have been historically encountered within the Made Ground in CATP060. A layer of tarmacadam is recorded in TPE2 (0.8-1.2m depth) and ‘moderate’ odours and localised sheens are reported to have been encountered in AR4 (0-0.6m depth).

Beneath the northern part of Monitor Phase 48, sandstone bedrock would appear to lie at depths >3m bgl, where Made Ground overlies natural sands, clays and gravels. A soft black to dark grey organic rich clayey silt with some roots (VO=2,0) is reported in P1BH007 (3.2 to 3.3m depth). Sandstone bedrock was recorded at 6.3m depth in BHA1 in the northernmost part of Monitor Phase 48.

3.3. Visual and Olfactory Evidence of Contamination

Reference to previous investigation suggests generally low levels of visual/olfactory contamination within Monitor Phase 48. This is confirmed by photographic evidence, taken during the supervision of these works (refer to Appendices C and E).

Based on previous investigation within Monitor Phase 48, a summary of the maximum reported class for each location is presented in Table 3.1 below:

It should be noted that where no VO Class is reported on the logs then these have been assumed from the soil descriptions in line with the scale of aesthetic criteria in the S106 (refer to Table 1.1).

Table 3.1 ï Maximum reported VO Classification

Exploratory Hole Reference	Maximum reported V,O Class
BHA1	1,2
DPD1	0,0
DPD3	0,0
TPD2	0,1
DPD4	0,0
WSD2	0,2
P1BH006	0,0
P1BH007	0,0
AR20	0,0
TPD4	0,0
TPD5	0,0
AR21	0,0
TPD3	0,0
WSD1	0,0
DPC1	0,0
DPC2	0,0
TPC8	0,0
TPC9	0,0
J43 001	1,0
TPC6	0,0
J43 002	0,1
TPC4	0,0
TPC5	0,0
AR22	0,0
TPC1	0,0
J43 003	1,0
AR23	0,0

Exploratory Hole Reference	Maximum reported VO Class
MSTP173	0,1
DPE2	0,0
TPE2	0,0
AR5	0,0
AR4	2,3
DPE4	0,0
CATP060	0,0
DPE5	0,0
WSE2	1,2
TPC3	0,0
DPE6	0,0
TPC2	0,0
DPE5	0,0
TPC10	0,0
TPC11	0,0
DPE3	0,0
TPE1	3,4
P1AF012	0,0
P1TP011	2,0
P1TP012	0,0
AR6	0,0
DPE1	0,0
MSTP296	0,0
CATP050	0,0
CATP001	2,1
CATP002	4,2
TPC7	0,0

It is noted that, based on previous investigation within Monitor Phase 48, the reported VO Class at the majority of locations was <2. Localised areas of increased staining or odours are indicated around AR4, TPE1 and CATP002. It is noted that there is no reported evidence of staining or odours on the exploratory hole log for TPE1 to substantiate the reported classification of 3,4.

A review of available monitoring data for wells within Monitor Phase 48 (URS FR1287 and Atkins 5041216-J43A-RPT-0126) suggests free product (0.001m thickness) in P1BH006 and P1BH007 on a single occasion in 2003.

No free product was recorded at any location during any of the previous ground investigations within Monitor Phase 48.

3.4. Contamination Assessment

Based on a review of historical URS data and more recent Atkins laboratory test data for samples within Monitor Phase 48 (refer to Appendix F) this suggests localised exceedances of lead between 1418mg/kg and 5970mg/kg in AR21, P1BH006, P1BH007 and TPC8, at depths of between 0.1 and 0.5m depth (750mg/kg). It is noted that all of these lie within the northern part of Monitor Phase 48 within the vicinity of the former bath house. No other concentrations in excess of the adopted thresholds were recorded during any of the investigations to date.

Due to the phasing and age of some of the investigations, not all of the samples were screened for TPH-CWG. It is noted that the maximum recorded values for Diesel Range Organics for samples within Monitor Phase 48 obtained by URS (URS FR1287) is 500mg/kg and well below the acceptable thresholds for retention.

Due to the absence of historical sources of any solvent usage within Monitor Phase 48, only a small number of samples were screened for Volatile Organic Compounds (VOCs) during the investigation. These indicate low concentrations and below the acceptable thresholds for retention.

A total of 27 samples from within Monitor Phase 48 have been screened for asbestos (refer to Appendix F). This indicates chrysotile in TPE1 and 'possible ACM' in CATP060. It is noted that this is consistent with the presence of identified asbestos sheeting in CATP060 during the investigation.

Visible ACM was identified and removed from the area of CATP060 by Hydrock during March 2012. Excavations were continued until all visible ACM was removed from this area (refer to Atkins Technical Note 5041216/RAP/TN/0806 in Appendix H).

Asbestos was also detected in three of the samples of site-won 6F2 (CRUSH) that was utilised as part of the widening of the former road embankment in the western part of Monitor Phase 48. As these 6F2 materials and TPE1 lie beneath a main road/steep slope within the final development, then the presence of such contamination is not considered to pose a risk to end users and no quantification was undertaken for these samples.

4. Requirements of the S106

4.1. Generic Remediation Requirements

In the absence of any specific defined requirements relating to a proposed road, the S106 requirements for a proposed commercial area have been adopted for the assessment of contamination within Monitor Phase 48.

Schedule 8 of the S106 states the following requirements as being the minimum remediation requirements required with regard to any proposed redevelopment for a commercial end use.

- *All oil saturated soils and soil containing free product other than minor sheens shall be removed to a minimum depth of 2 m Finished Floor Level (FFL) or 0.5 m below the likely lowest seasonal groundwater elevation following development of the intended Urban Village, whichever is the deeper. This depth is to be established by consideration of all available groundwater level monitoring data.*

- *All soils must meet the RBSL/RTC for Total Petroleum Hydrocarbons (TPH) to at least 1m below FFL*

- *All soils must meet in bulk, considering both dispersed fibres and pieces of Asbestos Containing Materials (ACMs), the RBSL/RTC for ACM to at least 1m below FFL and any visible ACM encountered during construction in the first 1m below FFL is to be removed.*

- *Where there is a risk of the migration in ground of hazardous gas or contaminated liquid into remediated areas, the Developer shall take all appropriate measures to prevent this occurring. Such measures could include the installation of interception trenches and management of discharge from those. The Developer shall monitor whatever measures are put in place after their installation to continue to demonstrate their effectiveness.*

- *Where necessary, seeps, sheens and iron rich discharges from the bedrock must be controlled such that there is no visible discharge at surface and little or no odour. Acceptable methodologies for remediation may include, but are not limited to the use of land drainage via interceptors.*

It is noted that the recommendations in the S106 are based upon a '**commercial end use where groundwater is in soil**' scenario. Given the reported ground conditions across Monitor Phase 48, based on previous investigation as discussed in Section 2.4, groundwater has been previously indicated to lie within bedrock beneath Monitor Phase 48.

Details of the adopted RBSLs/RTCs are provided in Appendix G.

5. Validation

5.1. General

Monitor Phase 48 occupies an area of approximately 3.2 ha as shown on Drawing 5041216-ATK-DR-C REM-2149.

5.2. Requirements of the S106

The S106 defines the frequencies as shown in Table 5.1, with regard to the validation of any remediation works within proposed commercial areas.

Table 5.1: Validation Testing Frequencies as stated in the S106

Testing for the Validation Suite at the following frequency:	Soils (Commercial all relevant depths)
Imported quarried material	1 per 1000m^3 ex situ, composite of 5 regular sub-samples
Imported soil from a verified greenfield site.	1 per 500m^3 ex situ, composite of 5 regular sub-samples
Imported soil from characterised brownfield site[1].	1 per 100m^3 ex situ, composite of 5 sub-samples
0.5m-1m below FFL in-situ	Regular grid of 1 per 400m^2, sample over 0.5m depth
>1m below FFL in-situ.	Regular grid of 1 per 400m^2, sample over 0.5m depth
Stockpiled excavated site materials for re-use.	1 per 400m^3 ex situ, composite of 5 sub-samples
Face of remedial excavations <1m deep.	1 per 15m, minimum of 1 per face, worst case VO sample
Face of remedial excavations >1m deep.	1 per 15m^2, minimum of 1 per face, worst case VO sample
Along redundant service excavations.	1 per 20m of trench, worst case VO sample
Soil treated ex situ and homogenised.	1 per 500m^3, composite of 5 regular sub-samples

[1] Validation suite to reflect prior use of the originating brownfield site and the design and purpose of the relevant area of Coed Darcy.

VO = visual/olfactory (i.e. aesthetic) observation

5.3. Sampling

A total of 66 samples have been analysed from across Monitor Phase 48, including an additional 10 samples for asbestos screening (refer to Appendix F).

Based upon an area of approximately 3.2ha (32,000m^2), this equates to a testing frequency of between 1 test per 421m^2 or 484m^2. This is in excess of the S106 frequency of 1 per 400m^2, as indicated in Table 5.1. However, given the absence of historical sources of contamination within Monitor Phase 48 and the long term use of this area as a series of access roads then this is considered appropriate for the current review.

The result of chemical analysis generally indicates low concentrations of contamination, consistent with the historical use of this area. The exception is a small number of elevated concentrations of lead within the northern part of Monitor Phase 48. As these lie within an isolated landscaped area surrounded by busy roads then it is not envisaged that this area will be utilised for anything other than walking across and the presence of such contamination is not considered to pose a significant risk to end users of this area.

Reference to the earthworks specification for these works (refer to Appendix D) confirms the need for 150mm of topsoil across this area as part of the road realignment works. The placement of such materials will further minimise any risks posed by the presence of the identified inorganic contamination locally.

5.4. Historical Watching Brief

In line with the restrictions on ground investigation and the absence of any significant sources of contamination based on previous investigation within Monitor Phase 48, this area has been subject to a watching brief during the ongoing road reconfiguration works. Copies of photographs taken during the watching brief are presented in Appendix A.

No evidence of contamination, seepages or free product have been identified during any of the works in Monitor Phase 48 to date which includes the stripping of existing topsoil, removal of existing infrastructure (relict hardstanding and below ground obstructions) and the installation of new services.

5.5. Summary

A summary of the status of Monitor Phase 48, in line with the requirements of the S106 is presented in Table 5.2 below:

Table 5.2 ï Validation Summary

Requirement	Status	Comment
Chemical quality of soils in situ	Complete	Sampling has been undertaken within Monitor Phase 48. Due to restrictions on access in this area, the frequency lies in excess of the frequency for a commercial end use but this is supplemented by photographic evidence obtained during a watching brief during the road reconfiguration works. In line with the absence of significant sources of contamination indicated by previous assessment of this area, plus the absence of key refinery activities from this area historically, then this is considered acceptable for this area in terms of the current assessment.
VO quality of soils in situ	Complete	No free product has been identified in Monitor Phase 48 during previous investigation. A maximum recorded VO of 3/4 was recorded during previous investigation, however, this value is not substantiated by any reference to staining or odours in the relevant soil description at this location. Based upon the identified VO classifications, the recorded soils are considered acceptable for retention in line with the requirements of the S106 for ‘shallow’ use (within 1m of FFL) within a commercial area.
Observations of groundwater for the presence of free phase product	Complete	No evidence of any free product has been identified during any of the investigations within Monitor Phase 48.
Chemical and VO quality of imported material	Complete	Site-won 6F2 was utilised as part of the works within this area as part of the widening of the existing road embankment. Testing for these materials (CRUSH 27 to 37) has been included in the assessment.
Compliance with adopted thresholds	Complete	With the exception of the identified lead concentrations within the northern part of Monitor Phase 48, existing soils have been shown to be suitable for retention within an area of proposed commercial end use.
Removal of oil saturated soils	Complete	No oil saturated soils have been encountered within Monitor Phase 48 during any of the works to date.

Requirement	Status	Comment
Asbestos Assessment	Complete	Visible ACM was identified and removed from the area of CATP060 by Hydrock in March 2012 (refer to Appendix H). As other areas where localised asbestos was identified, lie beneath roads in the current development then the presence of such materials is not considered to pose a risk to end users of this area in the final development.
Control of seeps, sheens and iron staining from bedrock	N/A	No seeps, sheens or localised iron staining were identified in Monitor Phase 48.

6. Summary

Atkins has been commissioned by St. Modwen Developments Ltd to undertake an assessment of an area of the former refinery with a view to enabling Monitor sign-off for this area. For the purpose of Monitor Sign off, this area shall be referred to as Monitor Phase 48.

Based upon the findings of recent investigation and in line with the scope of works undertaken, this area has been validated in accordance with the S106. In the absence of specific requirements relating to proposed roads, Monitor Phase 48 has been deemed to be suitable for use as a commercial end use in line with the requirements of the S106.

Where a change in proposed end use is arises, reassessment of the data will be required in order to confirm the need for additional investigation and/or further remediation across this area.

Drawings

DO NOT SCALE

KEY:

MONITOR PHASE 48 BOUNDARY

Rev.	Date	Description	By	Chk'd	App'd
P1	06/01/16	FIRST ISSUE	MJ	ML	MP

Drawing Status: FOR INFORMATION

Suitability: S2

ATKINS
The Axis
10 Holliday Street
Birmingham
B1 1TF
Tel: □44 (0)1214 835000
Fax: □44 (0)1214 835252
www.atkinsglobal.com

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Client: ST.MODWEN

Project Title: COED DARCY

Drawing Title: MONITOR PHASE 48

Scale	Designed	Drawn	Checked	Authorised
1:2500	ML	MJ	ML	MP
Original Size: A3	Date 06/01/16	Date 06/01/16	Date 06/01/16	Date 06/01/16

Drawing Number: 5041216-ATK-DR-C-REM-DWG-2149

Revision: P 1

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DO NOT SCALE

Millimetres 100 10 0

KEY:

- MONITOR PHASE BOUNDARY
- CATP010 / AR23 — ATKINS TRIAL PITS
- P1BH007 — USR HISTORIC EXPLORATORY HOLES
- P1BH006 — GAS MONITORED BOREHOLES
- EXPLORATORY HOLES

Rev.	Date	Description	By	Chk'd	App'd
P2	20/01/16	EXPLORATORY HOLES REVISED	MJ	ML	MP
P1	11/01/16	FIRST ISSUE	MJ	ML	MP

Drawing Status: FOR INFORMATION

Suitability: S2

ATKINS
The Axis
10 Holliday Street
Birmingham
B1 1TF
Tel: 44 (0)1214 835000
Fax: 44 (0)1214 835252
www.atkinsglobal.com

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Client: ST.MODWEN

Project Title: COED DARCY

Drawing Title: MONITOR PHASE 48 HISTORICAL EXPLORATORY INVESTIGATION

Scale	Designed	Drawn	Checked	Authorised
1:2000	ML	MJ	ML	MP
Original Size	Date	Date	Date	Date
A3	11/01/16	11/01/16	11/01/16	11/01/16

Drawing Number: 5041216-ATK-DR-C-REM-2153

Revision: P 2

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