Trial Pit: CATP060

Site: Coed Darcy Urban Village		Start Date: 29/03/2011	Site Level (mAOD): 40.648
Client: St. Modwen Development Ltd		End Date: 29/03/2011	Easting: 271873.30
Project No: CATP			Northing: 195908.00
Trial Pit Length:	Trial Pit Width:	Excavation Method:	
		Plant: Volvo 210 Excavator	
Logged By: Alex Mann	Checked By:	Shoring/Support: None	

Samples & Tests			Strata Details			
Depth (m)	Type	PID (ppm)	Thk	Legend	Depth	Description
0.60	ES		0.60		0.60	MADE GROUND. Brown gravelly clayey SAND. Coarse gravel of quartz, sandstone and brick (0,0).
			0.10		0.70	MADE GROUND. Dark brown gravelly clayey SAND. Frequent occurrences of asbestos sheeting and pipe lagging.
						End of Trial Pit at 0.60 m

General Notes:

1. All linear dimensions are in metres unless otherwise stated
2. All relative density/shear strength descriptions are based only on field observations and available in-situ test data.

Groundwater Observations:	Stability:	General Remarks:
No groundwater encountered	Trial Pit was stable.	Pit terminated on frequent asbestos sheeting

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Trial Pit Log

Trialpit No
J43 001
Sheet 1 of 1

Project Name: Monitor Phase Sign Off	Project No. 5122307.MP	Co-ords: 271959.00 - 195987.00 Level: mAOS	Date 27/04/2010
Location: Llandarcy		Dimensions (m): 3m × 1.5m, Depth 1.80	Scale 1:25
Client: St Modwen			Logged AM

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Visual Criteria	Olfactory Criteria
							Topsoil underlain by Geomembrane.	0	0
				0.20			MADE GROUND Loose brown sandy gravel. Gravel is of frequent brick, concrete blocks and wood.		
	0.40	ES						1	0
				1.30			MADE GROUND: Concrete	0	0
				1.40			MADE GROUND Brown sandy gravel with brown sandy clay pockets.		
	1.50	ES						0	0
				1.80			End of pit at 1.80 m		

Remarks: Pit termianted at 1.8m bgl due to unstable sides.

Stability: Unstable

GroundWater Remarks: No groundwater encountered.

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Trial Pit Log

Trialpit No
J43 002
Sheet 1 of 1

Project Name: Monitor Phase Sign Off	Project No. 5122307.MP	Co-ords: 271945.00 - 195960.00 Level: mAOS	Date 27/04/2010
Location: Llandarcy		Dimensions (m): 3m × 1.5m, Depth 1.60	Scale 1:25
Client: St Modwen			Logged AM

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Visual Criteria	Olfactory Criteria
							Topsoil underlain by Geomembrane	0	0
				0.20			MADE GROUND Brown sandy gravel. Gravel is of brick and concrete blocks.	0	1
	0.60	ES							
				0.80			Soft to firm brown sandy gravelly clay. Gravel is of subrounded to rounded quartzite.	0	0
	1.10	ES							
				1.60			End of pit at 1.60 m		

Remarks: Pit termianted in natural soils.

Stability: Unstable

GroundWater Remarks: No groundwater encountered.

AGS

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Trial Pit Log

Trialpit No
J43 003
Sheet 1 of 1

Project Name: Monitor Phase Sign Off	Project No. 5122307.MP	Co-ords: 271945.00 - 195936.00 Level: mAOS	Date 27/04/2010
Location: Llandarcy		Dimensions (m): 3m × 1.5m, Depth 1.40	Scale 1:25
Client: St Modwen			Logged AM

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Visual Criteria	Olfactory Criteria
							Topsoil underlain by Geomembrane	0	0
	0.25	ES		0.20			MADE GROUND loose brown sandy gravel. Gravel is brick, concrete boulders, clay pipe and rebar.	1	0
	1.30	ES		1.20			Soft to firm brown clayey sand. Gravel of quartzite cobbles.	0	0
				1.40			End of pit at 1.40 m		

Remarks: Pit termianted at 1.4m bgl in natural soils.

Stability: Unstable

GroundWater Remarks: No groundwater encountered.

AGS



Photograph 1 – Demonstrating trial pit J43 001, note the fabric membrane under the grass cover.



Photograph 2 – Demonstrating the material removed during excavation of J43 001.



Photograph 3 – Demonstrating trial pit J43 002, note the fabric membrane under the grass cover.



Photograph 4 – Demonstrating the material removed during excavation of J43 002.



Photograph 5 – Demonstrating trial pit J43 003, note the fabric membrane under the grass cover.



Photograph 6 - Demonstrating the material removed during excavation of J43 003.

Appendix F. Chemical Screening and Laboratory Data

Contamination Assessment_Monitor Phase 48

Sample No	Depth	Arsenic as As, dry weight	Cadmium as Cd, dry weight	Chromium as Cr, dry weight	Copper as Cu, dry weight	Lead as Pb, dry weight	Mercury as Hg, dry weight	Nickel as Ni, dry weight	Selenium as Se, dry weight	Vanadium as V, dry weight	Zinc as Zn, dry weight	VPH >C5 - C6, aliphatic	VPH >C6 - C8, aliphatic	VPH >C8 - C10, aliphatic	EPH >C10 - C12, aliphatic	EPH >C12 - C16, aliphatic	EPH >C16 - C21, aliphatic	EPH >C21 - C35, aliphatic	EPH >C35 - C44, aliphatic	VPH >C5 - C7, aromatic	VPH >C7 - C8, aromatic	VPH >C8 - C10, aromatic	EPH >C10 - C12, aromatic	EPH >C12 - C16, aromatic	EPH >C16 - C21, aromatic	EPH >C21 - C35, aromatic	Asbestos Screening
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
TPC9	0.5	16.70	0.45	16.30	30.50	108.60	0.24	16.10	0.50	17.40	193.80																No Asbestos Detected
TPC9	2	29.30	1.13	15.60	84.40	137.00	0.17	25.30	0.80	20.60	256.60																
TPD2	0.1	10.20	0.24	51.80	32.50	26.30	0.21	30.00	0.50	26.20	81.10																
TPD2	0.3																										No Asbestos Detected
TPD2	2	10.00	0.22	22.50	25.10	21.40	0.54	22.40	<0.5	19.20	63.30																
TPD 3	0.3	85.80	1.56	195.70	568.80	650.70	0.35	27.30	0.80	88.80	2666.00																No Asbestos Detected
TPD 3	2	28.90	0.73	41.50	102.70	78.40	0.32	23.10	0.50	34.00	206.40																
TPD 5	0.3																										No Asbestos Detected
TPD 5	1	11.10	0.15	16.40	84.10	28.50	0.16	10.40	0.90	23.10	48.00																
TPE 1	0.5	38.40	1.56	19.00	100.90	65.70	1.08	23.20	0.90	30.30	182.20																Chrysotile
TPE 1	1	31.20	0.91	20.70	81.20	178.30	2.12	36.50	0.80	27.00	147.70			11.8	92.6	521	754	1330				<4	5.69	90.6	400	1380	
TPE 2	0.1	26.80	0.95	20.00	102.70	97.70	0.42	23.10	0.80	24.20	238.60																
TPE 2	1.5	11.80	0.26	15.60	25.70	24.40	0.52	23.60	0.60	14.40	80.90																
WSD 1	0.3	11.70	0.40	13.30	68.00	32.40	<0.1	24.40	<0.5	16.80	155.40																
WSD 1	1.5	8.80	0.10	15.40	18.80	14.80	<0.1	22.00	<0.5	14.70	58.60																
WSD 2	0.6	19.50	0.55	14.10	64.10	40.80	0.72	23.10	0.50	14.50	92.90																No Asbestos Detected
WSD 2	1.5	7.10	0.12	17.40	9.80	11.50	0.41	14.30	<0.5	18.00	30.30																
WSD2	2.5	6.10	0.13	17.30	9.20	10.50	0.25	27.90	<0.5	12.60	58.40																
TPC 1	0.5	10.90	0.37	14.00	18.10	137.50	<0.1	14.90	<0.5	20.70	105.20																
TPC 2	10.1	13.20	0.34	17.60	28.40	213.20	<0.1	19.60	0.60	23.40	98.50																
TPC 2	1																										
TPC 2	3.1	8.30	0.19	13.10	16.60	16.90	<0.1	24.80	<0.5	12.40	62.50																
TPC 3	0.3	35.60	1.27	17.00	67.80	481.70	<0.1	20.40	0.50	20.70	927.90																
TPC 3	2	10.30	0.22	16.90	23.50	26.50	<0.1	20.10	0.80	17.30	89.00																
TPC 4	0.3	26.50	0.94	58.60	80.10	171.60	0.11	28.50	0.60	55.80	311.20																
TPC 4	1	15.80	0.47	33.70	43.00	67.70	<0.1	24.40	0.50	23.70	127.30																
TPC 5	0.3	16.50	0.54	17.40	37.90	80.00	<0.1	20.30	0.60	20.90	177.10																
TPC 5	0.5	18.80	0.75	26.80	64.80	167.90	<0.1	19.90	0.80	23.00	416.20																
TPC 6	0.3	10.30	0.37	15.00	19.10	98.20	<0.1	14.60	<0.5	17.70	171.60																
TPC 7	0.3	33.80	2.30	15.00	144.50	672.00	0.14	22.70	0.90	17.80	2850.00																
TPC 8	0.1	18.90	0.89	15.60	61.90	1418.00	<0.1	19.10	0.80	18.40	359.80																
TPC 8	0.5	13.30	0.50	13.60	27.00	155.90	<0.1	15.60	0.50	16.70	226.10																
TPC 10	0.3	11.50	0.18	13.70	19.50	23.80	<0.1	20.10	<0.5	14.80	62.60																
TPC 10	0.5	10.00	0.16	14.20	21.50	23.00	<0.1	19.90	<0.5	13.60	64.10																
TPC 11	0.3	16.60	0.71	16.80	51.10	89.50	0.19	26.80	<0.5	20.00	151.80																
P1BH006	0.1	254.60	6.50	19.00	312.00	2700.00	0.18	30.00	0.83	25.00	7010.00																
P1BH007	0.4	187.10	7.30	25.00	713.00	5970.00	0.12	31.00	3.44	15.00	17800.00																
P1AF012	0.2	48.21	1.20	17.00	143.00	25.00	0.22	18.00	1.13	23.00	275.00																
P1TP011	0.3	53.06	1.20	15.00	118.00	47.00	0.12	23.00	1.28	19.00	156.00																
P1TP012	0.1	56.24	3.20	67.00	272.00	609.00	10.59	50.00	1.05	36.00	552.00																
AR4	0.2-0.4	65.00	1.60	20.00	230.00	500.00	0.31	23.00	0.88	28.00	1800.00		<0.2	<0.1	<1	<1	28				<0.01	<0.1	<1	<1	5.1	67	
AR4	2.2-2.4	29.00	0.72	20.00	100.00	150.00	<0.25	40.00	0.42	21.00	480.00		0.17	1.80	96	430	280				<0.01	0.20	3.10	70.00	56.00	77.00	
AR5	0.2-0.4	81.00	1.20	25.00	150.00	190.00	<0.25	23.00	0.62	24.00	450.00		<0.1	<0.1	<1	<1	46				<0.01	<0.1	<1	<1	16.00	88.00	
AR5	1.0-1.2	46.00	1.10	17.00	180.00	170.00	<0.25	24.00	0.64	26.00	370.00		<0.1	0.11	<1	<1	47.80				<0.01	<0.1	<1	<1	<1	31.00	
AR6	0.2-0.4	51.00	1.90	18.00	150.00	68.00	<0.25	28.00	0.62	25.00	380.00		<0.1	<0.1	<1	<1	<1				<0.01	<0.1	<1	<1	<1	<1	
AR20	0.4-0.6	51.00	1.60	19.00	140.00	530.00	<0.25	34.00	0.55	19.00	1400.00		0.11	<0.1	<1	5.1	23.2				<0.01	<0.1	<1	<1	<1	29.00	
AR20	2.0-2.2	15.00	0.63	15.00	43.00	92.00	<0.25	31.00	0.37	16.00	230.00		0.11	<0.1	<1	<1	<1				<0.01	<0.1	<1	<1	<1	<1	
AR21	0.3-0.5	44.00	4.90	16.00	210.00	1500.00	2.00	25.00	1.20	17.00	4900.00		0.14	0.28	<1	11	95.00				<0.01	<0.1	<1	<1	11.00	64.00	
AR21	1.4-1.6	20.00	0.80	16.00	79.00	160.00	<0.25	25.00	0.60	19.00	490.00		1.00	2.10	<1	<1	<1				<0.01	<0.1	<1	<1	<1	<1	
AR21	1.8-2.0	9.70	<0.5	15.00	25.00	34.00	<0.25	25.00	0.47	17.00	100.00		110.00	310.00	170.00	350.00	207.00				0.07	5.10	7.40	72.00	52.00	17.00	
AR22	0.3-0.5	23.00	0.94	17.00	76.00	98.00	<0.25	24.00	0.49	24.00	260.00		<0.1	<0.1	<1	<1	<1				<0.01	<0.1	<1	<1	12.00	49.00	
AR22	1.8-2.0	9.50	<0.5	12.00	20.00	35.00	<0.25	28.00	<0.3	13.00	100.00		<0.1	<0.1	<1	<1	<1				<0.01	<0.1	<1	<1	<1	<1	
AR23	0.0-0.2	46.00	1.10	19.00	180.00	230.00	<0.25	30.00	0.38	25.00	670.00		<0.1	<0.1	<1	<1	38				<0.01	<0.1	<1	<1	<1	33.00	
AR23	1.4-1.6	13.00	<0.5	18.00	27.00	32.00	<0.25	26.00	0.59	20.00	92.00		<0.1	<0.1	<1	<1	<1				<0.01	<0.1	<1	<1	<1	<1	
AR23	2.2-2.4	8.90	<0.5	12.00	20.00	25.00	<0.25	25.00	<0.3	12.00	110.00		4.60	16.00	130	420	228				<0.01	0.83	13.00	99.00	65.00	56.00	
CRUSH 27		9.99	0.29	9.07	22.90	45.60	<0.14	12.80	<1	12.10	115.00	0.05	0.20	0.48	0.65	115.00	315.00	179.00	43.50	0.01	0.02	0.36	0.43	27.30	94.20	117.00	Detected
CRUSH 28		5.49	0.15	9.83	8.80	9.55	<0.14	13.60	<1	12.00	59.90	0.02	0.05	0.04	0.08	19.50	35.80	51.90	15.70	0.01	0.01	0.05	0.06	14.10	26.30	117.00	Detected
CRUSH 29		19.30	0.42	11.30	65.70	147.00	0.35	14.40	<1	13.80	430.00	0.02	0.09	0.16	0.29	299.00	165.00	431.00	101.00	0.01	0.01	0.15	0.19	336.00	147.00	392.00	Detected
CRUSH 30		23.10	0.32	9.79	38.60	107.00	<0.14	10.70	<1	11.90	321.00	0.12	1.95	3.78	4.63	59.30	119.00	471.00	115.00	0.01	0.01	2.52	3.09	41.90	79.00	297.00	No ACM Detected
CRUSH 33		7.60	0.80	19.50	18.10	26.20	<0.14	14.30	<1	12.70	62.00	0.01	0.02	0.06	0.23	16.30	50.70	71.70	17.90	0.01	0.01	0.05	0.16	9.32	31.60	72.00	No ACM Detected
CRUSH 34		18.50	<0.02	13.70	20.80	40.90	<0.14	15.00	<1	14.80	139.00	0.01	0.01	0.02	0.05	8.78	20.80	65.70	14.50	0.01	0.01	0.03	0.03	5.24	7.43	32.20	No ACM Detected
CRUSH 35		10.7	0.57	12.1	16.2	12.2	<0.14	11	<1	12.8	46.7	0.01	0.01	0.01	0.01	21.20	52.40	158.00	8.89	0.01	0.01	0.01	0.01	12.00	17.90	58.40	No ACM Detected
CRUSH 36		14.3	<0.02	17.1	29.8	78.7	<0.14	21.3	<1	16.2	208	0.01	0.02	0.05	0.28	9.49	16.10	48.20	13.60	0.01	0.01	0.05	0.19	7.08	18.00	65.70	No ACM Detected
CRUSH 37		21.8	0.0452	16.8	56.8	144	<0.14	23.9	<1	16.7	345	0.01	0.03	0.07	0.27	11.00	45.30	145.00	38.40	0.01	0.02	0.06	0.18	3.09	26.50	134.00	No ACM Detected
CATP001	0.3	14.7	0.69	9.06	73.7	46.3	<0.14	45.8	<1	13.3	123	0.01	0.01	0.01	0.01	5.07	3.32	26.5	5.68	0.01	0.01	0.01	0.01	4.09	5.12	18.1	No ACM Detected
CATP001	0.7																										No ACM Detected
CATP001	1.3	18.4	1.26	22.2	87.1	108	<0.14	29.3	<1	26.3	369	0.0369	0.283	1.3	2.51	81.7	75.1	324	141	0.01	0.01	0.866	1.67	54.4	26	291	-
CATP002	0.8	28.3	1.3	19.2	119	178	1.89	30.1	<1	24.5	806	0.01	0.01	0.01	0.0177	27.5	72.8	527	37.2	0.01	0.0366	0.0142	0.0118	36.5	10.8	310	No ACM Detected
CATP002	1.5	33.4	0.873	22.1	159	123	1.04	44.3	<1	36.3	256	0.545	10.2	21.4	17.9	1030	378	5410	180	0.0351	0.01	14.3	11.9	343	421	2640	-
CATP050	0.3	23.1	1.04	16.8	57.1	48.7	<0.14	26.2	<1	23.6	140	0.01	0.0217	0.0308	0.0365	5.36	3.27	18	6.03	0.01	0.01	0.0342	0.0251	7.71	5.82	28.3	No ACM Detected
CATP060	0.6																										Possible ACM Detected
J43 TP1	0.4																										No ACM Detected
J43 TP1	1.5																										No ACM Detected
J43 TP2	0.6																										No ACM Detected
J43 TP2	1.1																										No ACM Detected
J43 TP3	0.25																										No ACM Detected
J43 TP3	1.3																										No ACM Detected
1% SOM Shallow COMMERCIAL		500	243	365	115000	750	480	1990	8000	7590	918000	1000000	1000000	158890	163360	169032	1000000	1000000	-	17.8	1840	913	26515	64875	28500	28500	
3% SOM Shallow COMMERCIAL		500	243	365	115000	750	480	1990	8000	7590	918000	1000000	1000000	158890	163360	169032	1000000	1000000	-	99.8	1840	913	26515	64875	28500	28500	

Contamination Assessment_Monitor Phase 48

	Determinand	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)Anthracene	Chrysene	Benzo(B)Fluoranthene	Benzo[k]fluoranthene	Benzo(a)Pyrene	Indeno(123-cd)Pyrene	Dibenzo(ah)Anthracene	Benzo(ghl)Perylene	Phenol
Sample	**Units**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TPE 1	1	0.33	<0.08	0.1	0.23	0.76	0.08	1.5	1.3	1.03	0.94	1.66	0.54	1.04	0.93	0.28	0.89	
WSE 1	1.5	0.58	0.45	1.47	2.11	3.69	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	
WSE 2	2	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	
AR4	0.2-0.4	2.2	<0.1	0.87	0.64	6.2	1.8	9.7	8.1	5.6	5.6	4.9	2.7	5.5	3.4	0.65	3.1	
AR4	2.2-2.4	0.44	<0.1	<0.1	0.68	2.4	0.73	3.4	1.8	1.2	1.1	0.93	0.44	0.94	0.56	0.14	0.64	
AR5	0.2-0.4	0.38	<0.1	<0.1	<0.1	0.53	0.15	1	0.9	0.65	0.72	0.72	0.37	0.68	0.41	<0.1	0.45	
AR5	1.0-1.2	0.32	<0.1	<0.1	<0.1	0.93	0.3	1.60	1.30	0.82	0.81	0.68	0.35	0.79	0.44	<0.1	0.47	
AR6	0.2-0.4	<0.1	<0.1	0.23	<0.1	<0.1	<0.1	0.16	0.14	<0.1	<0.1	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	
AR20	0.4-0.6	0.3	<0.1	<0.1	<0.1	0.12	0.39	<0.1	0.31	0.20	0.11	0.13	0.12	<0.1	<0.1	<0.1	<0.1	
AR20	2.0-2.2	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
AR21	0.3-0.5	0.43	<0.1	<0.1	<0.1	0.49	0.11	0.62	0.49	0.36	0.43	0.43	0.20	0.30	0.26	0.23	<0.1	
AR21	1.4-1.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
AR21	1.8-2.0	<0.1	<0.1	0.11	0.22	0.46	0.46	0.69	0.32	0.30	0.32	0.21	0.10	0.17	0.13	<0.1	<0.1	
AR22	0.3-0.5	0.56	<0.1	<0.1	<0.1	1.3	1.3	1.90	1.40	1.00	1.00	0.86	0.48	0.90	0.54	0.46	0.10	
AR22	1.8-2.0	0.13	<0.1	0.14	<0.1	<0.1	<0.1	0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
AR23	0.0-0.2	0.36	<0.1	<0.1	<0.1	0.46	0.46	0.89	0.65	0.57	0.65	0.61	0.32	0.58	0.40	0.35	<0.1	
AR23	1.4-1.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
AR23	2.2-2.4	<0.1	<0.1	<0.1	0.76	0.18	0.46	0.81	0.19	0.26	0.19	0.17	<0.1	0.18	<0.1	<0.1	<0.1	
CRUSH 27		0.09	0.02	0.0259	0.03	0.243	0.0483	0.32	0.30	0.19	0.20	0.50		0.24	0.18	0.07	0.23	
CRUSH 28		0.135	<.012	0.0312	0.0599	0.28	0.0679	0.173	0.28	0.09	0.12	0.18		0.11	0.08	0.03	0.10	
CRUSH 29		0.03	0.01	0.02	0.02	0.20	0.05	0.60	0.46	0.22	0.19	0.38		0.17	0.12	0.04	0.16	
CRUSH 30		0.0228	<.012	0.01	0.01	0.14	0.04	0.16	0.14	0.13	0.10	0.25		0.11	0.07	<.023	0.08	
CRUSH 33		0.0621	0.01	0.02	0.03	0.16	0.04	0.13	0.10	0.06	0.06	0.12		0.05	0.04	<23	0.04	
CRUSH 34		0.0272	<12	0.02	0.01	0.13	0.03	0.16	0.14	0.11	0.11	0.22		0.10	0.07	0.03	0.09	
CRUSH 35		0.01	<12	<8	<10	0.11	0.02	0.13	0.115	0.08	0.11	0.21		0.10	0.07	0.03	0.09	
CRUSH 36		0.60	0.05	1.20	0.86	3.85	0.76	4.66	3.70	2.74	2.82	5.28		2.70	1.55	0.55	1.88	
CRUSH 37		0.0899	0.02	0.12	0.10	0.68	0.15	1.19	1.08	0.77	0.81	1.68		0.81	0.50	0.17	0.63	
CATP001	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11	<0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
CATP001																		
CATP001	1.3	0.223	<0.100	0.21	0.28	1.13	0.26	1.38	1.66	0.94	1.28	1.41	0.85	1.17	0.87	0.26	0.91	
MSTP173	0.5													1.00				
MSTP296	0.5													1.60				
CATP001	0.3	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
CATP001	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CATP001	1.3	0.22	0.10	0.21	0.28	1.13	0.26	1.38	1.66	0.94	1.28	1.41	0.85	1.17	0.87	0.26	0.91	0.10
CATP002	0.8	0.10	0.10	0.10	0.10	0.20	0.10	0.38	0.41	0.27	0.35	0.41	0.24	0.34	0.26	0.10	0.25	0.10
CATP002	1.5	1.67	0.19	0.37	0.86	2.17	0.30	1.01	1.56	0.60	0.94	0.75	0.45	0.53	0.35	0.10	0.33	0.19
CATP050	0.3	0.10	0.10	0.10	0.10	0.17	0.10	0.22	0.19	0.14	0.21	0.17	0.13	0.14	0.10	0.10	0.10	0.10
CATP060	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shallow commercial 1%		15800	-	109000	68400	-	539000	72500	54300	222	24100	246	2470	24.7	245	24.6	2490	686
Shallow commercial 3%		29300	-	106000	72200	-	545000	72700	54500	242	24500	247	2480	24.8	247	24.9	2500	1720

		Sample Number			TPE 1	WSE 1	WSE 2	CATP001	CATP001	CATP001	CATP002	CATP002	CATP050	CATP060	CRUSH 27	CRUSH 28	CRUSH29	CRUSH30	CRUSH33	CRUSH34	CRUSH35	CRUSH 36	CRUSH 37
		Area Of Sample																					
		Sample Depth			1	1.5	2	0.30-	0.70-	1.30-	0.80-	1.50-	0.30-	0.60-	0.00-0.00	0.00-0.00	-	-	-	-	-	-	-
		Date Of Sample						24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	29/03/2011	29/03/2011	19/10/2010	19/10/2010	20/11/2013	20/11/2013	23/11/2010	23/11/2010	23/11/2010	03/02/2011	03/02/2011
		Owner																					
	S106 RBSL	RTC COM Shallow 1%	RTC COM shallow 3%	Units																			
	mg/kg	ug/kg	ug/kg																				
Benzene		5000	5000	ug kg-1	<10	<10	<10	10	-	10	10	35.1	10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl chloride		45	174	ug kg-1									10	-									
Dichloromethane		158000	734000	ug kg-1									10	-									
Toluene		1160000	1160000	ug kg-1	13	22	<10	2.17	-	2	36.6	2	2.28	-	20	12.4	13.2	<2	10.7	5.7	2.12	12.2	16.3
Ethyl benzene		122000000	122000000	ug kg-1	14	46	<10	3.26	-	3	3	3	10.3	-	5.26	4.14	7.7	<3	3.21	3.42	<3	<3	<3
trans-1,2-Dichloroethene		13800	87700	ug kg-1									11	-									
cis-1,2-Dichloroethene		8700	53000	ug kg-1									5	-									
m- & p-Xylene		-	-	ug kg-1									14	-	40	15.5	22	<6	10.7	<6	<6	6.66	6.53
1,1,1-Trichloroethane		443000	3140000	ug kg-1									7	-									
o-Xylene		-	-	ug kg-1				3	-	3	3	3	3	-	<3	3.11	9.9	<3	3.21	<3	<3	<3	3.27
Tetrachloromethane		-	-	ug kg-1																			
1,2-Dichloroethane		401	2000	ug kg-1									5	-									
Trichloroethene		7480	54900	ug kg-1									9	-									
Tetrachloroethene		103000	788000	ug kg-1									5	-									
Chlorobenzene		688000	2730000	ug kg-1									5	-									
1,1,1,2-Tetrachloroethane		71400	559000	ug kg-1									10	-									
1,1,2,2-Tetrachloroethane		178000	1180000	ug kg-1									10	-									
Phenols (total)		686000	1720000	ug kg-1																			
Asbestos Containing Material		0	0					No ACM Detected	No ACM Detected	-	No ACM Detected	-	No ACM Detected	Possible ACM	Detected	Detected	Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected
Carbon tetrachloride		1970	14700	ug kg-1									14	-									
Xylene (total)		121000000	121000000	ug kg-1				10	-	10	10	10	10	-	40	18.6			13.9	<10	<10	<10	<10

Note:
* Values are above the screening level, but below the limit of detection.

APPENDIX

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

LIQUID MATRICES EXTRACTION SUMMARY

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

SOLID MATRICES EXTRACTION SUMMARY

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

Identification of Asbestos in Bulk Materials

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

Visual Estimation Of Fibre Content.

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

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

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

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

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

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Attention: Alex Mann

CERTIFICATE OF ANALYSIS

Date:	08 November 2010		
Customer:	H_ATKINS_LDC-74		
Sample Delivery Group (SDG):	101020-11	**Report No.:**	102669
Your Reference:	CBL, 36 inch, NSR and Crush		
Location:	Coed Darcy Urban Village		

We received 9 samples on Wednesday October 20, 2010 and 9 of these samples were scheduled for analysis which was completed on Monday November 08, 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

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Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
2260661	36"			19/10/2010
2259587	CBL OVERPUMP			19/10/2010
2259948	CRUSH 24			19/10/2010
2259999	CRUSH 25			19/10/2010
2260034	CRUSH 26			19/10/2010
2260069	CRUSH 27			19/10/2010
2260103	CRUSH 28			19/10/2010
2259461	NSR IN			19/10/2010
2259483	NSR OUT			19/10/2010

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

Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

LIQUID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2259461			2259483			2259587				2260661		
			Customer Sample Ref.	NSR IN			NSR OUT			CBL OVERPUMP				36"		
			AGS Ref.													
			Depth (m)													
			Container	1l green glass bottle	1lplastic	Vial	1l green glass bottle	1lplastic	Vial	1l green glass bottle	1lplastic	H2SO4	Vial	1l green glass bottle	1lplastic	H2SO4	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: 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
Permanganate Index*	All	NDPs: 0 Tests: 2									X				X		
pH Value	All	NDPs: 0 Tests: 4			X			X			X				X		
Phenols by HPLC (W)	All	NDPs: 0 Tests: 1								X							
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 3		X			X							X			
Total Suspended Solids	All	NDPs: 0 Tests: 2									X				X		
TPH CWG (W)	All	NDPs: 0 Tests: 4		X			X			X				X			
VOC MS (W)	All	NDPs: 0 Tests: 3				X			X								X

Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2259948		2259999		2260034			2260069			2260103		
			Customer Sample Ref.	CRUSH 24		CRUSH 25		CRUSH 26			CRUSH 27			CRUSH 28		
			AGS Ref.													
			Depth (m)													
			Container	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
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 5			X		X		X			X			X	
Asbestos Identification	All	NDPs: 0 Tests: 1					X									
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 4		X				X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 3		X				X			X					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 4				X				X			X			X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 4		X				X			X			X		
	Cadmium	NDPs: 0 Tests: 4		X				X			X			X		
	Chromium	NDPs: 0 Tests: 4		X				X			X			X		
	Copper	NDPs: 0 Tests: 4		X				X			X			X		
	Lead	NDPs: 0 Tests: 4		X				X			X			X		
	Mercury	NDPs: 0 Tests: 4		X				X			X			X		
	Nickel	NDPs: 0 Tests: 4		X				X			X			X		
	Selenium	NDPs: 0 Tests: 4		X				X			X			X		
	Vanadium	NDPs: 0 Tests: 4		X				X			X			X		
	Zinc	NDPs: 0 Tests: 4		X				X			X			X		
PAH by GCMS	All	NDPs: 0 Tests: 4		X				X			X			X		
pH	All	NDPs: 0 Tests: 4			X				X			X			X	

Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2259948	2259999	2260034	2260069	2260103
			Customer Sample Ref.	CRUSH 24	CRUSH 25	CRUSH 26	CRUSH 27	CRUSH 28
			AGS Ref.					
			Depth (m)					
			Container	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
Sample description	All	NDPs: 0 Tests: 4		X		X	X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 4		X		X	X	X

Sample Descriptions

Grain Sizes

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

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
2259948	CRUSH 24		Light Brown	Sand	0.1 - 2 mm	Stones	Concrete/Aggrega
2260034	CRUSH 26		Light Brown	Sand	0.1 - 2 mm	Stones	Concrete/Aggrega
2260069	CRUSH 27		Light Brown	Sand	0.1 - 2 mm	Stones	Concrete/Aggrega
2260103	CRUSH 28		Light Brown	Sand	0.1 - 2 mm	Stones	Concrete/Aggrega

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:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Test Completion Dates

Lab Sample No(s)	2260661	2259587	2259948	2259999	2260034	2260069	2260103	2259461	2259483
Customer Sample Ref.	36"	CBL OVERPUMP	CRUSH 24	CRUSH 25	CRUSH 26	CRUSH 27	CRUSH 28	NSR IN	NSR OUT
AGS Ref.									
Depth									
Type	LIQUID	LIQUID	SOLID	SOLID	SOLID	SOLID	SOLID	LIQUID	LIQUID
Ammonium	22/10/2010	22/10/2010							
Anions by Kone (w)	21/10/2010	21/10/2010							
Asbestos Containing Material Screen			21/10/2010	21/10/2010	21/10/2010	21/10/2010	21/10/2010		
Asbestos Identification				21/10/2010					
BOD True Total	26/10/2010	26/10/2010							
Conductivity (at 20 deg.C)	22/10/2010	22/10/2010							
Dissolved Metals by ICP-MS		22/10/2010							
EPH CWG (Aliphatic) Aqueous GC (W)	22/10/2010	22/10/2010						22/10/2010	22/10/2010
EPH CWG (Aliphatic) GC (S)			25/10/2010		25/10/2010	25/10/2010	27/10/2010		
EPH CWG (Aromatic) Aqueous GC (W)	22/10/2010	22/10/2010						22/10/2010	22/10/2010
EPH CWG (Aromatic) GC (S)			25/10/2010		25/10/2010	25/10/2010	27/10/2010		
GRO by GC-FID (S)			27/10/2010		27/10/2010	27/10/2010	27/10/2010		
GRO by GC-FID (W)	26/10/2010	26/10/2010						26/10/2010	26/10/2010
Metals by iCap-OES (Soil)			26/10/2010		26/10/2010	26/10/2010	25/10/2010		
PAH by GCMS			22/10/2010		22/10/2010	22/10/2010	22/10/2010		
Permanganate Index*	08/11/2010	08/11/2010							
pH			21/10/2010		21/10/2010	21/10/2010	21/10/2010		
pH Value	21/10/2010	21/10/2010						21/10/2010	21/10/2010
Phenols by HPLC (W)		25/10/2010							
Sample description			21/10/2010		21/10/2010	21/10/2010	21/10/2010		
SVOC MS (W) - Aqueous	27/10/2010							26/10/2010	27/10/2010
Total Suspended Solids	21/10/2010	21/10/2010							
TPH CWG (W)	26/10/2010	26/10/2010						26/10/2010	26/10/2010
TPH CWG GC (S)			27/10/2010		27/10/2010	27/10/2010	27/10/2010		
VOC MS (W)	27/10/2010							27/10/2010	27/10/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

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

Component	LOD/Units	Method	Customer Sample Ref.	36"	CBL OVERPUMP	NSR IN	NSR OUT		
			Depth (m)						
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	19/10/2010	19/10/2010	19/10/2010	19/10/2010		
			Date Received	20/10/2010	20/10/2010	20/10/2010	20/10/2010		
			SDG Ref	101020-11	101020-11	101020-11	101020-11		
			Lab Sample No.(s)	2260661	2259587	2259461	2259483		
			AGS Reference						
Permanganate value, 10 mins	<0.5 mg/l	SUB		2.69	3.89				
Permanganate value N/80, 4 hrs	<0.5 mg/l	SUB		2.59	3.35				
Suspended solids, Total	<2 mg/l	TM022		7 #	6 #				
BOD, unfiltered	<1 mg/l	TM045		1.63 #	1.53 #				
Ammoniacal Nitrogen as NH3	<0.2 mg/l	TM099		<0.2 #	<0.2 #				
Conductivity @ 20 deg.C	<0.014 mS/cm	TM120		0.348 #	0.35 #				
Vanadium (diss.filt)	<0.24 µg/l	TM152			<0.24 #				
Nitrite as NO2	<0.05 mg/l	TM184		<0.05 #	<0.05 #				
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		<0.05 #	<0.05 #				
Nitrate as NO3	<0.3 mg/l	TM184		0.639 #	<0.3 #				
pH	<1 pH Units	TM256		8.12 #	8.11 #	9.83 #	8.05 #		
Phenols, Total monohydric	<0.015 mg/l	TM259			<0.015 #				

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

SVOC MS (W) - Aqueous

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

Component	LOD/Units	Method	Customer Sample Ref.	36"	NSR IN	NSR OUT
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	19/10/2010	19/10/2010	19/10/2010
			Date Received	20/10/2010	20/10/2010	20/10/2010
			SDG Ref	101020-11	101020-11	101020-11
			Lab Sample No.(s)	2260661	2259461	2259483
			AGS Reference			
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1	<1	<1
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<1	<1
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<1	<1
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1	<1	<1
2-Chlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1	<1	<1
2-Methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1
2-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
2-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1
3-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1	<1	<1
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1	<1	<1
4-Methylphenol (aq)	<1 µg/l	TM176		<1	<1	<1
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1
4-Nitroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
Azobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
Acenaphthylene (aq)	<1 µg/l	TM176		<1	<1	<1
Acenaphthene (aq)	<1 µg/l	TM176		<1	<1	<1
Anthracene (aq)	<1 µg/l	TM176		<1	<1	<1
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1	<1	<1
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1	<1	<1
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2	<3	<2
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1	<1	<1
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1	<1	<1
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1	<1	<1
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1	<1	<1
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1	<1	<1
Carbazole (aq)	<1 µg/l	TM176		<1	<1	<1
Chrysene (aq)	<1 µg/l	TM176		<1	<1	<1

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

SVOC MS (W) - Aqueous

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

Component	LOD/Units	Method	Customer Sample Ref.	36"	NSR IN	NSR OUT
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	19/10/2010	19/10/2010	19/10/2010
			Date Received	20/10/2010	20/10/2010	20/10/2010
			SDG Ref	101020-11	101020-11	101020-11
			Lab Sample No.(s)	2260661	2259461	2259483
			AGS Reference			
Dibenzofuran (aq)	<1 µg/l	TM176		<1	<1	<1
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1
Diethyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1	<1	<1
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1	<1	<1
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5	<5	<5
Fluoranthene (aq)	<1 µg/l	TM176		<1	<1	<1
Fluorene (aq)	<1 µg/l	TM176		<1	<1	<1
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1	<1	<1
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1	<1	<1
Hexachloroethane (aq)	<1 µg/l	TM176		<1	<1	<1
Nitrobenzene (aq)	<1 µg/l	TM176		<1	<1	<1
Naphthalene (aq)	<1 µg/l	TM176		<1	<1	<1
Isophorone (aq)	<1 µg/l	TM176		<1	<1	<1
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1
Phenanthrene (aq)	<1 µg/l	TM176		<1	<1	<1
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1	<1	<1
Pyrene (aq)	<1 µg/l	TM176		<1	<1	<1

Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

TPH CWG (W)

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

Component	LOD/Units	Method	Customer Sample Ref.	36"	CBL OVERPUMP	NSR IN	NSR OUT		
			Depth (m)						
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	19/10/2010	19/10/2010	19/10/2010	19/10/2010		
			Date Received	20/10/2010	20/10/2010	20/10/2010	20/10/2010		
			SDG Ref	101020-11	101020-11	101020-11	101020-11		
			Lab Sample No.(s)	2260661	2259587	2259461	2259483		
			AGS Reference						
Total Aliphatics >C5-C35 (aq)	<10 µg/l	TM174		14	34	27	11		
Total Aromatics >C6-C35 (aq)	<10 µg/l	TM174		<10	20	10	<10		
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		14	54	37	11		
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		<10	<10	<10	<10		
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		<10	<10	<10	<10		
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		<10	<10	<10	<10		
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		<10	<10	<10	<10		
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10		
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10		
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10		
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10		
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<10 µg/l	TM174		<10	<10	<10	<10		
GRO Surrogate % recovery**	%	TM245		109	105	103	101		
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #		
Benzene	<7 µg/l	TM245		<7 #	<7 #	<7 #	<7 #		
Toluene	<4 µg/l	TM245		<4 #	<4 #	<4 #	<4 #		
Ethylbenzene	<5 µg/l	TM245		<5 #	<5 #	<5 #	<5 #		
m,p-Xylene	<8 µg/l	TM245		<8 #	<8 #	<8 #	<8 #		
o-Xylene	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #		
Aliphatics >C5-C6	<10 µg/l	TM245		<10	<10	<10	<10		
Aliphatics >C6-C8	<10 µg/l	TM245		<10	<10	11	<10		
Aliphatics >C8-C10	<10 µg/l	TM245		<10	11	<10	<10		
Aliphatics >C10-C12	<10 µg/l	TM245		<10	18	<10	<10		
Total Aliphatics >C5-C12	<10 µg/l	TM245		14	34	27	11		
Aromatics >EC5-EC7	<10 µg/l	TM245		<10	<10	<10	<10		
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10	<10	<10		
Aromatics >EC8-EC10	<10 µg/l	TM245		<10	<10	<10	<10		
Aromatics >EC10-EC12	<10 µg/l	TM245		<10	12	<10	<10		
Total Aromatics >EC5-EC12	<10 µg/l	TM245		<10	20	10	<10		
m,p,o-Xylene	<10 µg/l	TM245		<10	<10	<10	<10		
BTEX, Total	<10 µg/l	TM245		<10	<10	<10	<10		
GRO >C5-C12	<50 µg/l	TM245		<50 #	54 #	<50 #	<50 #		

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

VOC MS (W)

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

Component	LOD/Units	Method	Customer Sample Ref.	36"	NSR IN	NSR OUT
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	19/10/2010	19/10/2010	19/10/2010
			Date Received	20/10/2010	20/10/2010	20/10/2010
			SDG Ref	101020-11	101020-11	101020-11
			Lab Sample No.(s)	2260661	2259461	2259483
			AGS Reference			
Dibromofluoromethane**	%	TM208		107	104	114
Toluene-d8**	%	TM208		101	100	100
4-Bromofluorobenzene**	%	TM208		98.9	97.7	97.4
Dichlorodifluoromethane	<7 µg/l	TM208		<7 #	<7 #	<7 #
Chloromethane	<9 µg/l	TM208		<9 #	<9 #	<9 #
Vinyl chloride	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #
Bromomethane	<2 µg/l	TM208		<2 #	<2 #	<2 #
Chloroethane	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #
Trichlorofluoromethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
1,1-Dichloroethene	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #
Carbon disulphide	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
Dichloromethane	<3.7 µg/l	TM208		<3.7 #	<3.7 #	<3.7 #
Methyl tertiary butyl ether (MTBE)	<1.6 µg/l	TM208		<1.6 #	<1.6 #	<1.6 #
trans-1,2-Dichloroethene	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #
1,1-Dichloroethane	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #
cis-1,2-Dichloroethene	<2.3 µg/l	TM208		<2.3 #	<2.3 #	<2.3 #
2,2-Dichloropropane	<3.8 µg/l	TM208		<3.8 #	<3.8 #	<3.8 #
Bromochloromethane	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #
Chloroform	<1.8 µg/l	TM208		<1.8 #	<1.8 #	<1.8 #
1,1,1-Trichloroethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
1,1-Dichloropropene	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
Carbontetrachloride	<1.4 µg/l	TM208		<1.4 #	<1.4 #	<1.4 #
1,2-Dichloroethane	<3.3 µg/l	TM208		4.44	88.2	<3.3
Benzene	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
Trichloroethene	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #
1,2-Dichloropropane	<3 µg/l	TM208		<3 #	<3 #	<3 #
Dibromomethane	<2.7 µg/l	TM208		<2.7 #	<2.7 #	<2.7 #
Bromodichloromethane	<0.9 µg/l	TM208		<0.9 #	<0.9 #	<0.9 #
cis-1,3-Dichloropropene	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #
Toluene	<1.4 µg/l	TM208		<1.4 #	<1.4 #	<1.4 #
trans-1,3-Dichloropropene	<3.5 µg/l	TM208		<3.5 #	<3.5 #	<3.5 #
1,1,2-Trichloroethane	<2.2 µg/l	TM208		<2.2 #	<2.2 #	<2.2 #
1,3-Dichloropropane	<2.2 µg/l	TM208		<2.2 #	<2.2 #	<2.2 #
Tetrachloroethene	<1.5 µg/l	TM208		<1.5 #	<1.5 #	<1.5 #
Dibromochloromethane	<1.7 µg/l	TM208		<1.7 #	<1.7 #	<1.7 #
1,2-Dibromoethane	<2.3 µg/l	TM208		<2.3 #	<2.3 #	<2.3 #
Chlorobenzene	<3.5 µg/l	TM208		<3.5 #	<3.5 #	<3.5 #
1,1,1,2-Tetrachloroethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #
Ethylbenzene	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

VOC MS (W)

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

Customer Sample Ref.	36"	NSR IN	NSR OUT
Depth (m)			
Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
Date Sampled	19/10/2010	19/10/2010	19/10/2010
Date Received	20/10/2010	20/10/2010	20/10/2010
SDG Ref	101020-11	101020-11	101020-11
Lab Sample No.(s)	2260661	2259461	2259483
AGS Reference			

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

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / 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.	CRUSH 24	CRUSH 25	CRUSH 26	CRUSH 27	CRUSH 28
			Depth (m)					
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	19/10/2010	19/10/2010	19/10/2010	19/10/2010	19/10/2010
			Date Received	20/10/2010	20/10/2010	20/10/2010	20/10/2010	20/10/2010
			SDG Ref	101020-11	101020-11	101020-11	101020-11	101020-11
			Lab Sample No.(s)	2259948	2259999	2260034	2260069	2260103
			AGS Reference					
Asbestos Containing Material Screen	-	TM001		No ACM Detected	Possible ACM Detect	No ACM Detected	No ACM Detected	No ACM Detected
pH	1 pH Units	TM133		11.5 M		11.3 M	11.6 M	12 M
Arsenic	<0.6 mg/kg	TM181		14.2 M		20.6 M	9.99 M	5.49 M
Cadmium	<0.02 mg/kg	TM181		0.428 M		0.434 M	0.287 M	0.153 M
Chromium	<0.9 mg/kg	TM181		12.8 M		14.3 M	9.07 M	9.83 M
Copper	<1.4 mg/kg	TM181		71.3 M		74.7 M	22.9 M	8.8 M
Lead	<0.7 mg/kg	TM181		106 M		138 M	45.6 M	9.55 M
Mercury	<0.14 mg/kg	TM181		0.281 M		<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.5 M		19.4 M	12.8 M	13.6 M
Selenium	<1 mg/kg	TM181		<1 #		<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		14.6 #		13.2 #	12.1 #	12 #
Zinc	<1.9 mg/kg	TM181		412 M		338 M	115 M	59.9 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

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.	CRUSH 24	CRUSH 26	CRUSH 27	CRUSH 28		
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	19/10/2010	19/10/2010	19/10/2010	19/10/2010		
			Date Received	20/10/2010	20/10/2010	20/10/2010	20/10/2010		
			SDG Ref	101020-11	101020-11	101020-11	101020-11		
			Lab Sample No.(s)	2259948	2260034	2260069	2260103		
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		97.1	97.7	96.6	97.3		
Acenaphthene-d10 % recovery**	%	TM218		94.4	95	94.1	94.9		
Phenanthrene-d10 % recovery**	%	TM218		99.9	101	99.2	101		
Chrysene-d12 % recovery**	%	TM218		94.2	95.8	93.2	93.8		
Perylene-d12 % recovery**	%	TM218		106	107	104	105		
Naphthalene	<9 µg/kg	TM218		75 M	54.1 M	91.5 M	135 M		
Acenaphthylene	<12 µg/kg	TM218		24.6 M	17 M	18.7 M	<12 M		
Acenaphthene	<8 µg/kg	TM218		19.7 M	21.7 M	25.9 M	31.2 M		
Fluorene	<10 µg/kg	TM218		35.1 M	28.3 M	32.7 M	59.9 M		
Phenanthrene	<15 µg/kg	TM218		300 M	265 M	243 M	280 M		
Anthracene	<16 µg/kg	TM218		62.8 M	60.4 M	48.3 M	67.9 M		
Fluoranthene	<17 µg/kg	TM218		510 M	397 M	320 M	173 M		
Pyrene	<15 µg/kg	TM218		447 M	369 M	302 M	276 M		
Benz(a)anthracene	<14 µg/kg	TM218		288 M	242 M	190 M	89.3 M		
Chrysene	<10 µg/kg	TM218		316 M	279 M	202 M	117 M		
Benzo(b)fluoranthene	<15 µg/kg	TM218		393 M	383 M	388 M	178 M		
Benzo(k)fluoranthene	<14 µg/kg	TM218		144 M	135 M	124 M	57 M		
Benzo(a)pyrene	<15 µg/kg	TM218		323 M	296 M	241 M	108 M		
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		226 M	231 M	176 M	79 M		
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		74.9 M	82.7 M	68.7 M	30.2 M		
Benzo(g,h,i)perylene	<24 µg/kg	TM218		304 M	308 M	230 M	100 M		
Polyaromatic hydrocarbons, Total USEPA 16	<118 µg/kg	TM218		3540 M	3170 M	2700 M	1780 M		

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

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.	CRUSH 24	CRUSH 26	CRUSH 27	CRUSH 28		
			Depth (m)						
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	19/10/2010	19/10/2010	19/10/2010	19/10/2010		
			Date Received	20/10/2010	20/10/2010	20/10/2010	20/10/2010		
			SDG Ref	101020-11	101020-11	101020-11	101020-11		
			Lab Sample No.(s)	2259948	2260034	2260069	2260103		
			AGS Reference						
Aliphatics >C12-C16	<100 µg/kg	TM173		22600	9410	115000	19500		
Aliphatics >C16-C21	<100 µg/kg	TM173		63800	36700	315000	35800		
Aliphatics >C21-C35	<100 µg/kg	TM173		105000	99800	179000	51900		
Aliphatics >C35-C44	<100 µg/kg	TM173		39100	40900	43500	15700		
Aromatics >EC12-EC16	<100 µg/kg	TM173		6480	3060	27300	14100		
Aromatics >EC16-EC21	<100 µg/kg	TM173		16500	8960	94200	26300		
Aromatics >EC21-EC35	<100 µg/kg	TM173		51200	46600	117000	117000		
Aromatics >EC35-EC44	<100 µg/kg	TM173		34900	31000	42600	61300		
Aromatics >EC40-EC44	<100 µg/kg	TM173		15700	13800	17000	8820		
Total Aliphatics >C12-C44	<100 µg/kg	TM173		230000	187000	652000	123000		
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		109000	89600	281000	218000		
Total Aliphatics >C5-35	<100 µg/kg	TM173		192000	146000	610000	107000		
Total Aliphatics >C5-C44	<100 µg/kg	TM173		231000	187000	653000	123000		
Total Aromatics >C5-35	<100 µg/kg	TM173		74300	58700	239000	157000		
Total Aromatics >C6-C44	<100 µg/kg	TM173		109000	89600	282000	219000		
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		266000	205000	849000	265000		
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		340000	277000	935000	342000		
GRO Surrogate % recovery**	%	TM089		68	58	78	87		
GRO >C5-C12	<44 µg/kg	TM089		427	188	2190	308		
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		13.7 M	7.32 M	20 M	12.4 M		
Ethylbenzene	<3 µg/kg	TM089		4.2 M	<3 M	5.26 M	4.14 M		
m,p-Xylene	<6 µg/kg	TM089		34.7 M	11.5 M	40 M	15.5 M		
o-Xylene	<3 µg/kg	TM089		9.46 M	3.14 M	<3 M	3.11 M		
Aliphatics >C5-C6	<10 µg/kg	TM089		13.7	<10	47.3	19.7		
Aliphatics >C6-C8	<10 µg/kg	TM089		101	27.2	196	47.6		
Aliphatics >C8-C10	<10 µg/kg	TM089		78.8	27.2	479	36.2		
Aliphatics >C10-C12	<10 µg/kg	TM089		69.4	43.9	646	82.8		
Total Aliphatics >C5-C12	<10 µg/kg	TM089		263	109	1370	186		
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10		
Aromatics >EC7-EC8	<10 µg/kg	TM089		13.7	<10	20	12.4		
Aromatics >EC8-EC10	<10 µg/kg	TM089		102	35.5	364	46.6		
Aromatics >EC10-EC12	<10 µg/kg	TM089		46.2	29.3	431	55.9		
Total Aromatics >EC5-EC12	<10 µg/kg	TM089		164	74.2	825	122		
m,p,o-Xylene	<10 µg/kg	TM089		44.1	14.6	40	18.6		
BTEX, Total	<10 µg/kg	TM089		62	21.9	65.2	35.2		

Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Reference:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

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	CRUSH 25 NS Z SOLID 19/10/2010 00:00:00 20/10/2010 08:18:14 101020-11 2259999 TM048	21/10/10	Rhodri Williams	Typical of bituminous asbestos	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table of Results - Appendix

SDG Number : 101020-11 **Client :** H_ATKINS_LDC **Client Ref :** CBL, 36 inch, NSR and Crush

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		
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material		
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser		
TM120	Method 2510B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part 9:1970	Determination of Electrical Conductivity using a Conductivity Meter		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS		
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		
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546		
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

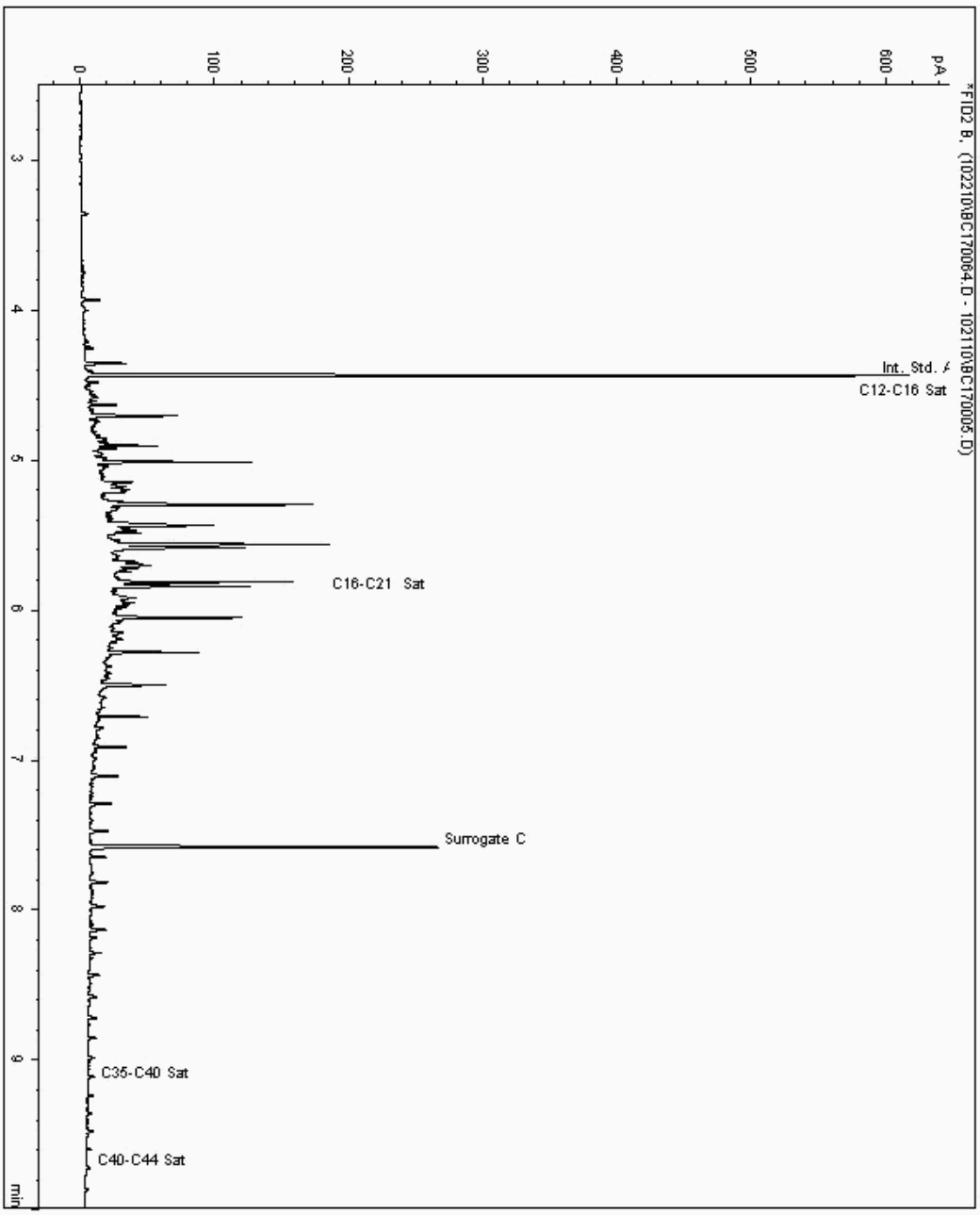
SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Chromatogram

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2273956
		Sample ID	CRUSH 27
		Depth	

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

Sample Identity: 2366764-2273956
Date Acquired : 23/10/10 06:43:37 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



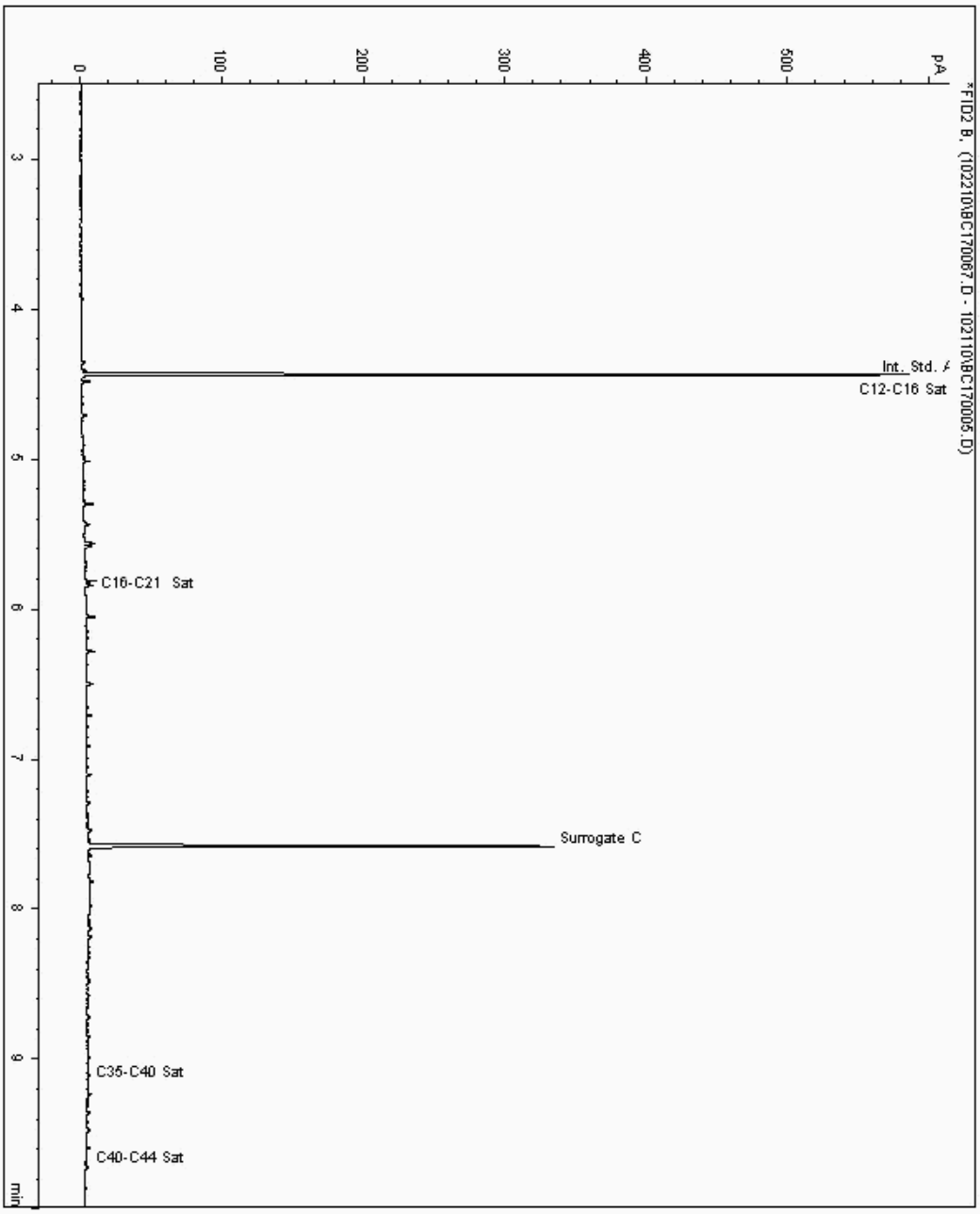
Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669
Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2274057
		Sample ID	CRUSH 26
		Depth	

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

Sample Identity: 2366751-2274057
Date Acquired : 23/10/10 07:33:18 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

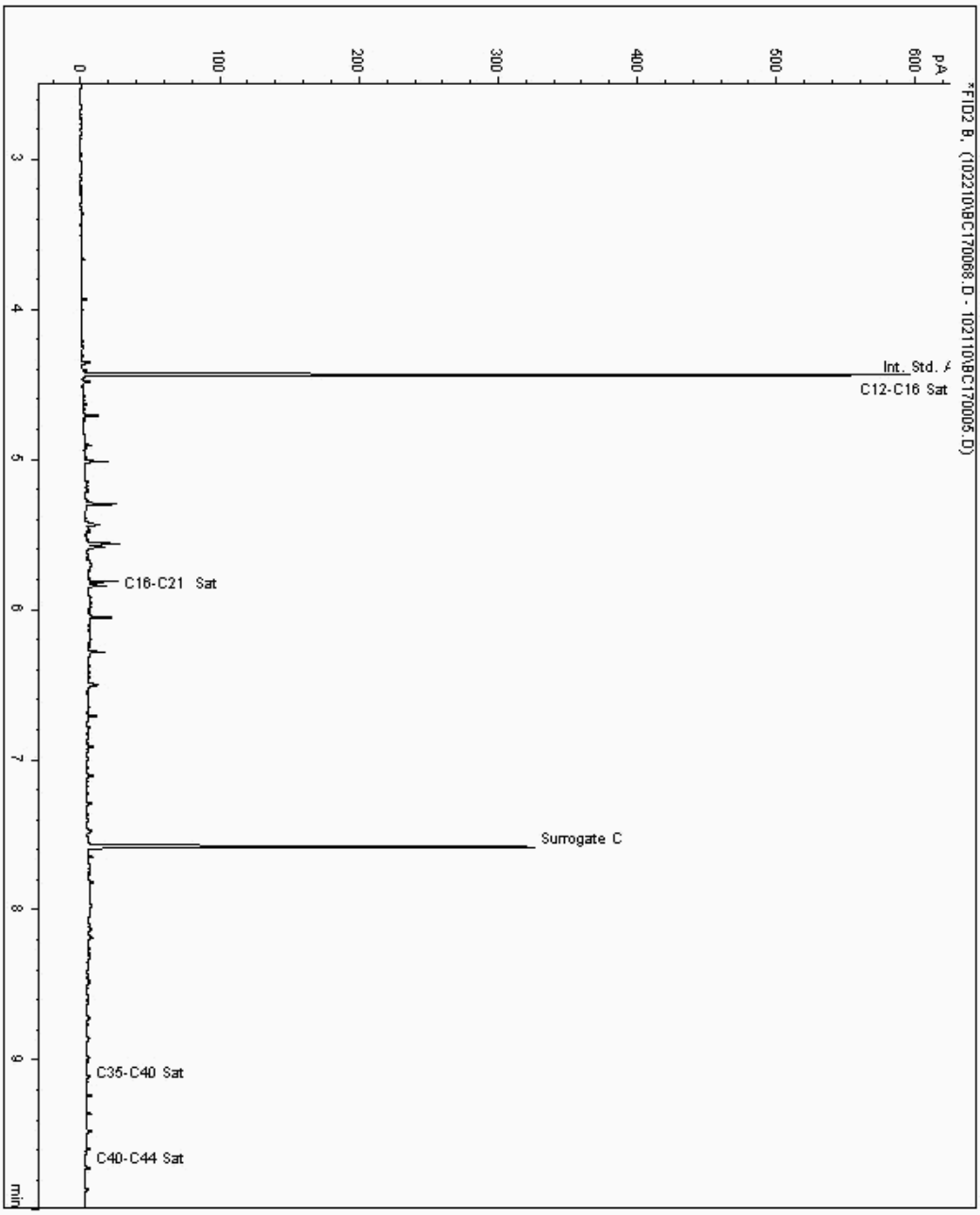
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2274075
		Sample ID	CRUSH 24
		Depth	

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

Sample Identity: 2366725-2274075
Date Acquired : 23/10/10 07:52:42 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

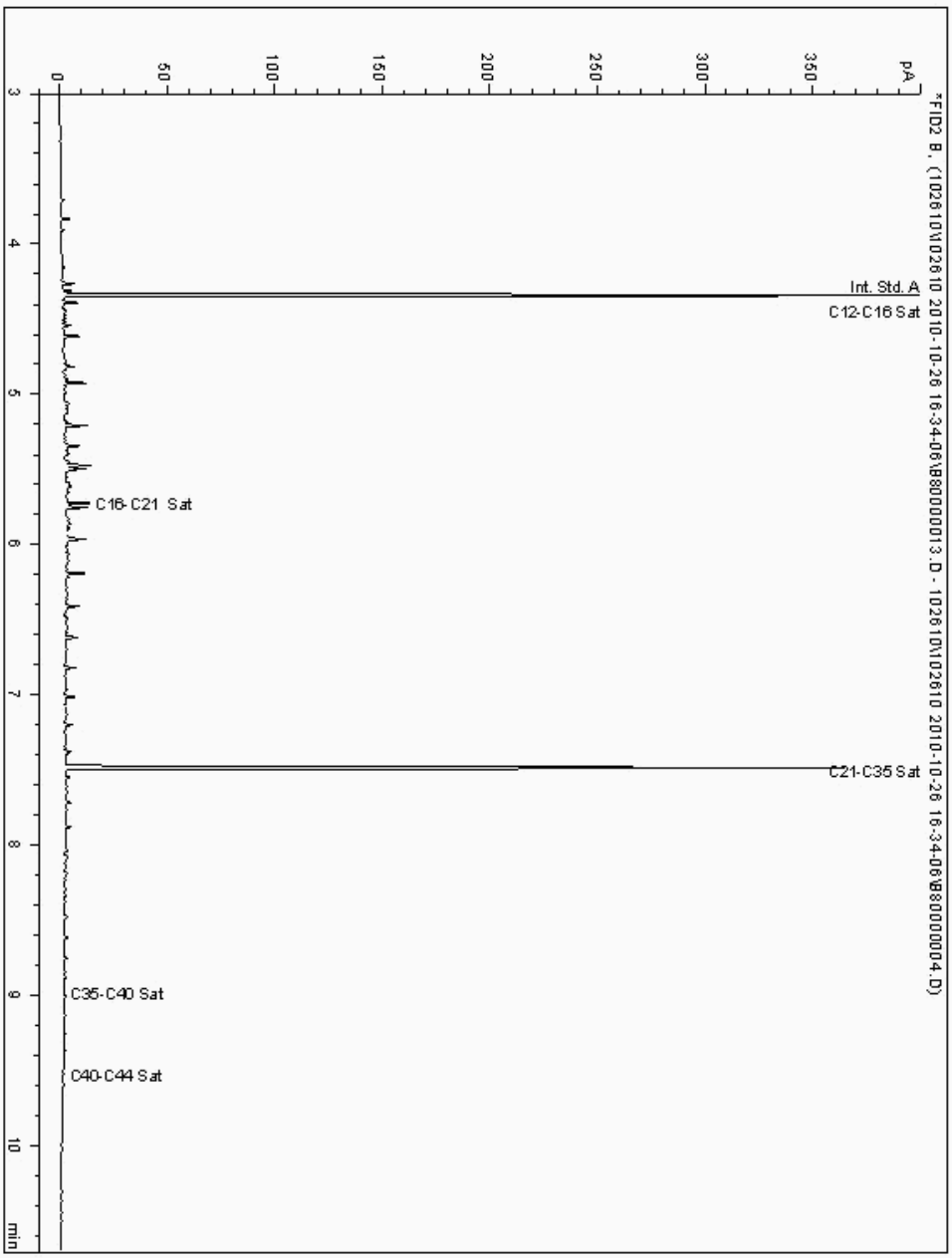
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aliphatic) GC (S)	**Sample No**	2289039
		Sample ID	CRUSH 28
		Depth	

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

Sample Identity: 2386581-2289039
Date Acquired : 26/10/10 20:20:54
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



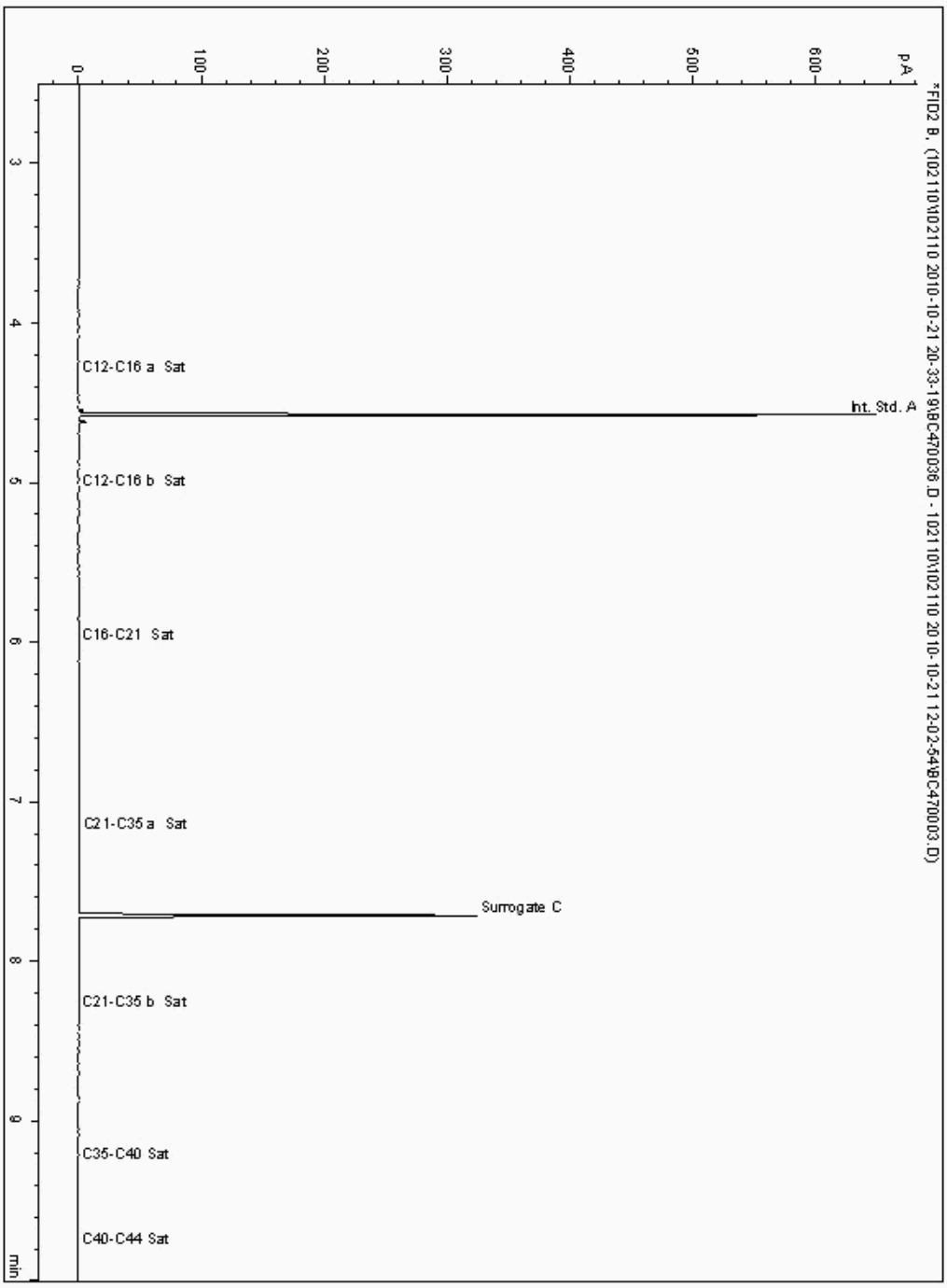
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ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669
Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2269185
		Sample ID	CBL OVERPUMP
		Depth	

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

Sample Identity: 2366715-2269185
Date Acquired : 21/10/10 23:53:21
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

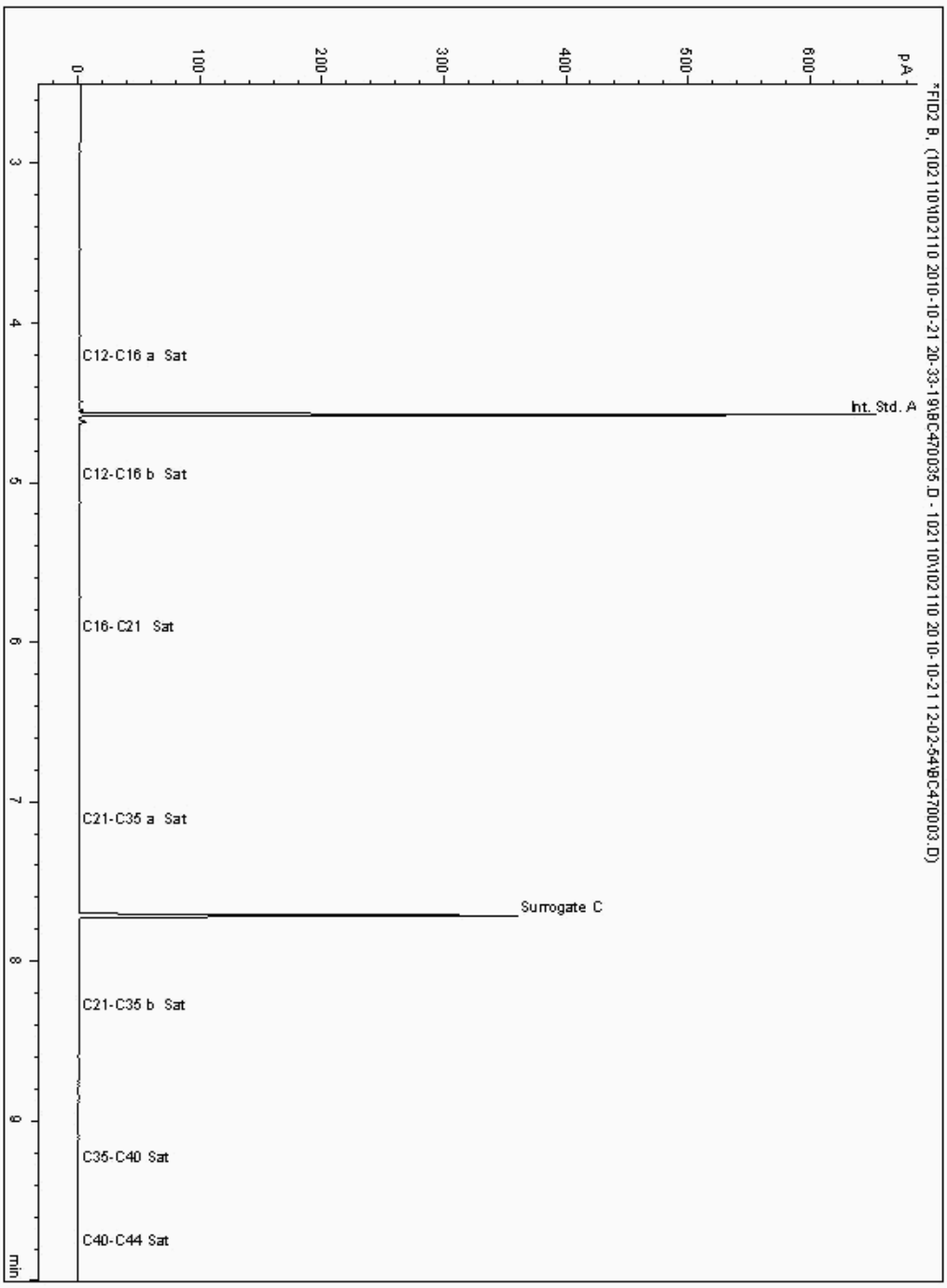
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2269252
		Sample ID	NSR OUT
		Depth	

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

Sample Identity: 2366705-2269252
Date Acquired : 21/10/10 23:34:23
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

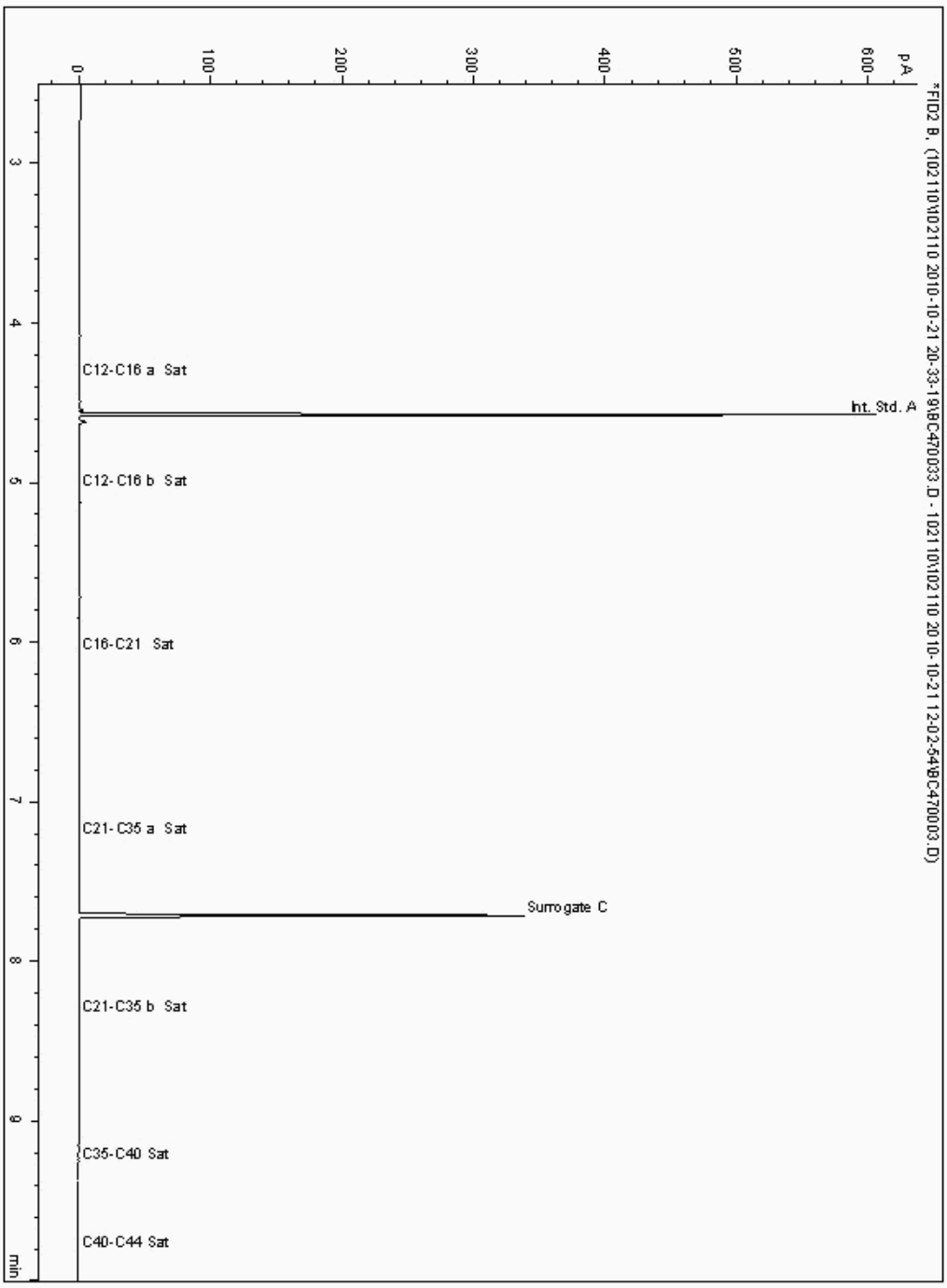
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2269265
		Sample ID	36"
		Depth	

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

Sample Identity: 2366795-2269265
Date Acquired : 21/10/10 22:56:09
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

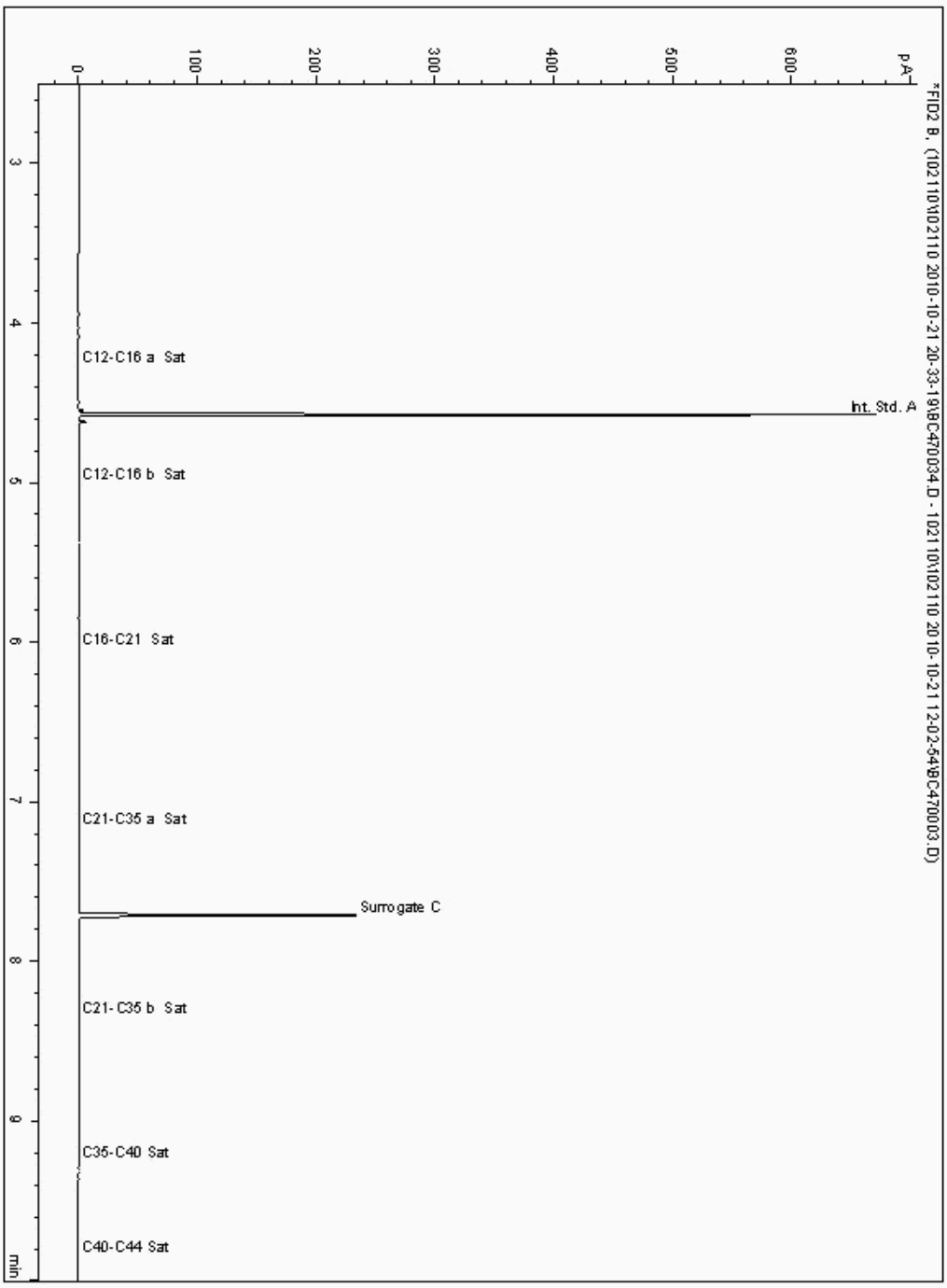
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aliphatic) Aqueous GC (W)	**Sample No**	2269278
		Sample ID	NSR IN
		Depth	

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

Sample Identity: 2366697-2269278
Date Acquired : 21/10/10 23:15:08
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

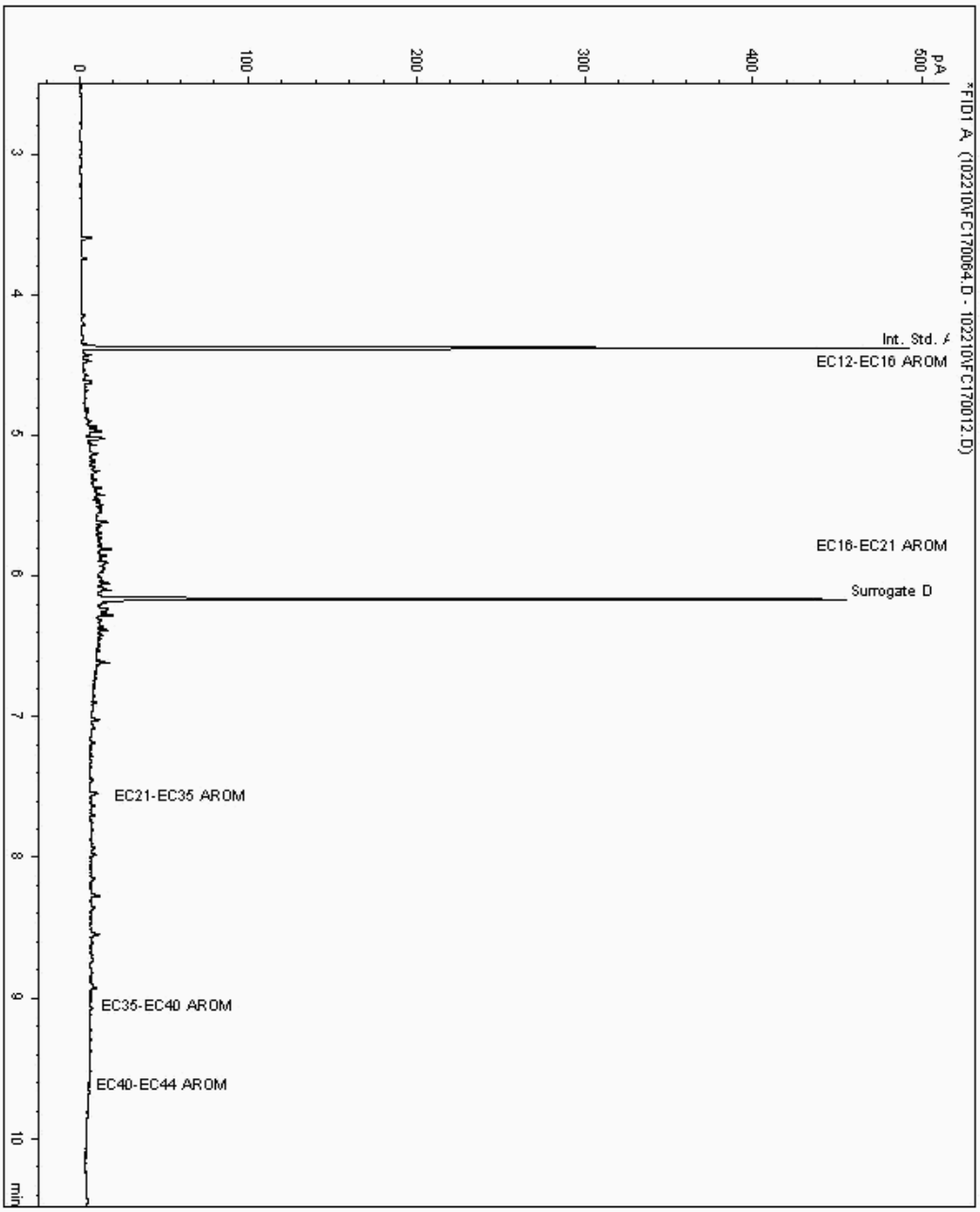
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2273956
		Sample ID	CRUSH 27
		Depth	

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

Sample Identity: 2366765-2273956
Date Acquired : 23/10/10 06:43:38 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



Validated

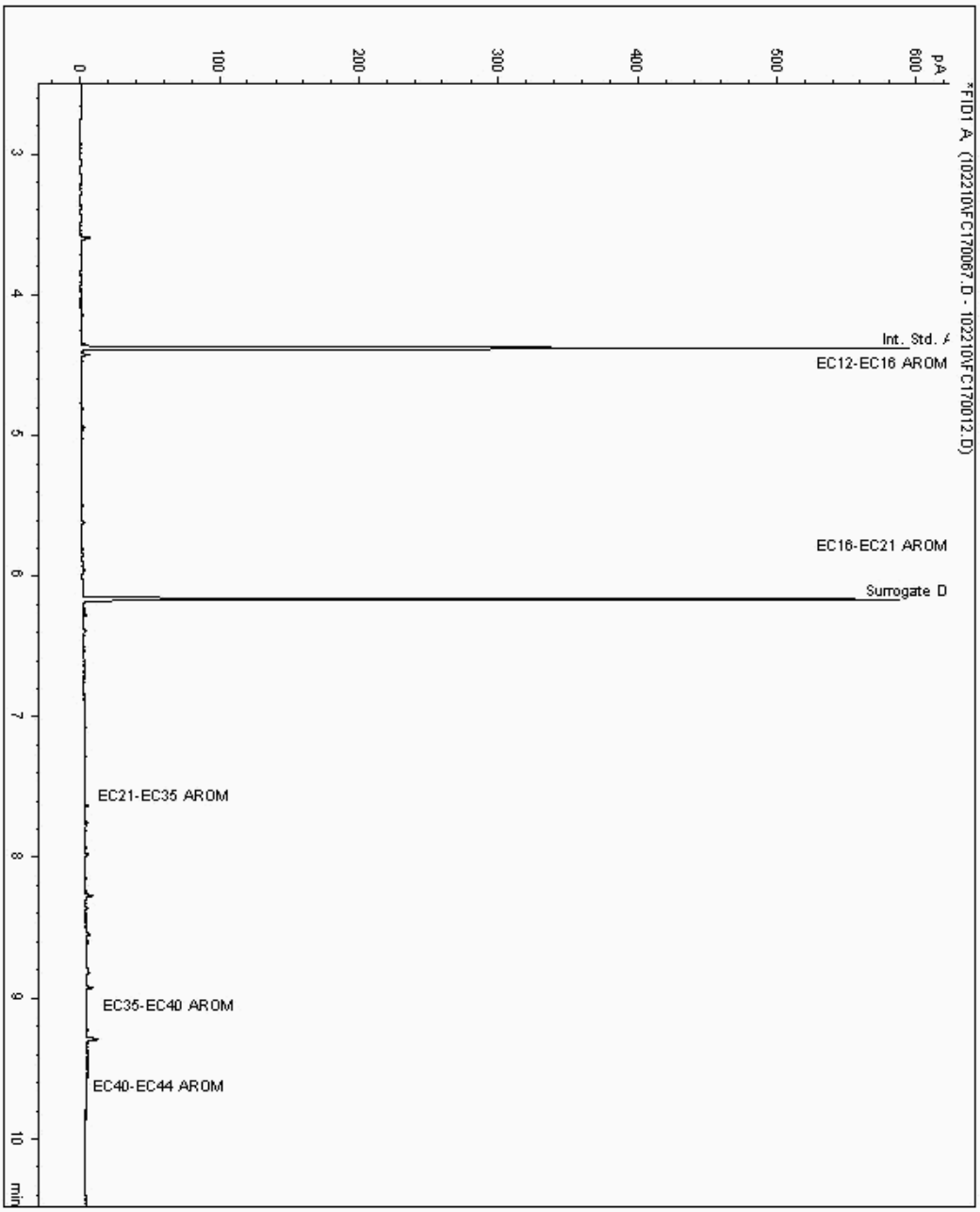
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2274057
		Sample ID	CRUSH 26
		Depth	

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

Sample Identity: 2366752-2274057
Date Acquired : 23/10/10 07:33:19 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

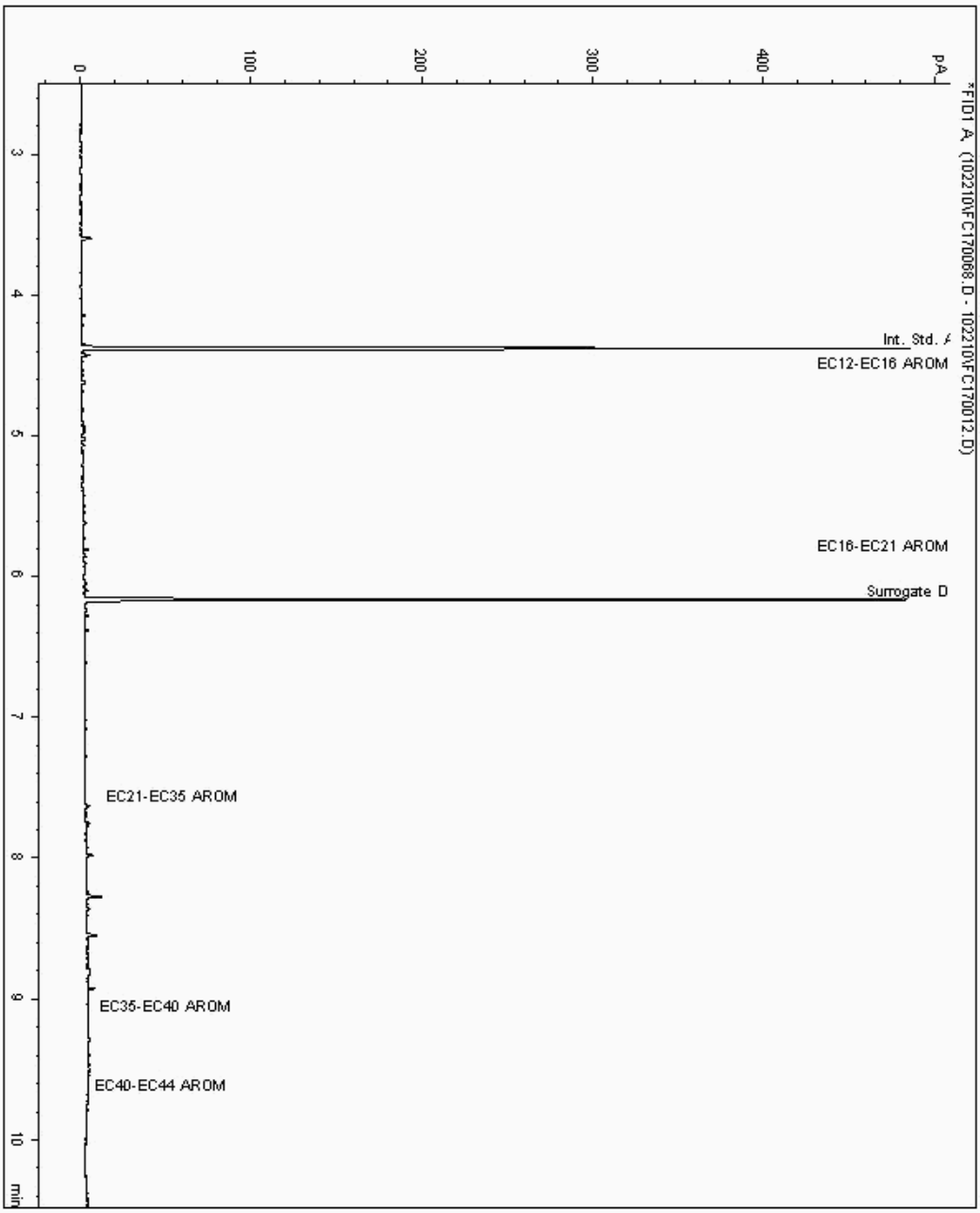
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2274075
		Sample ID	CRUSH 24
		Depth	

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

Sample Identity: 2366726-2274075
Date Acquired : 23/10/10 07:52:42 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.000



Validated

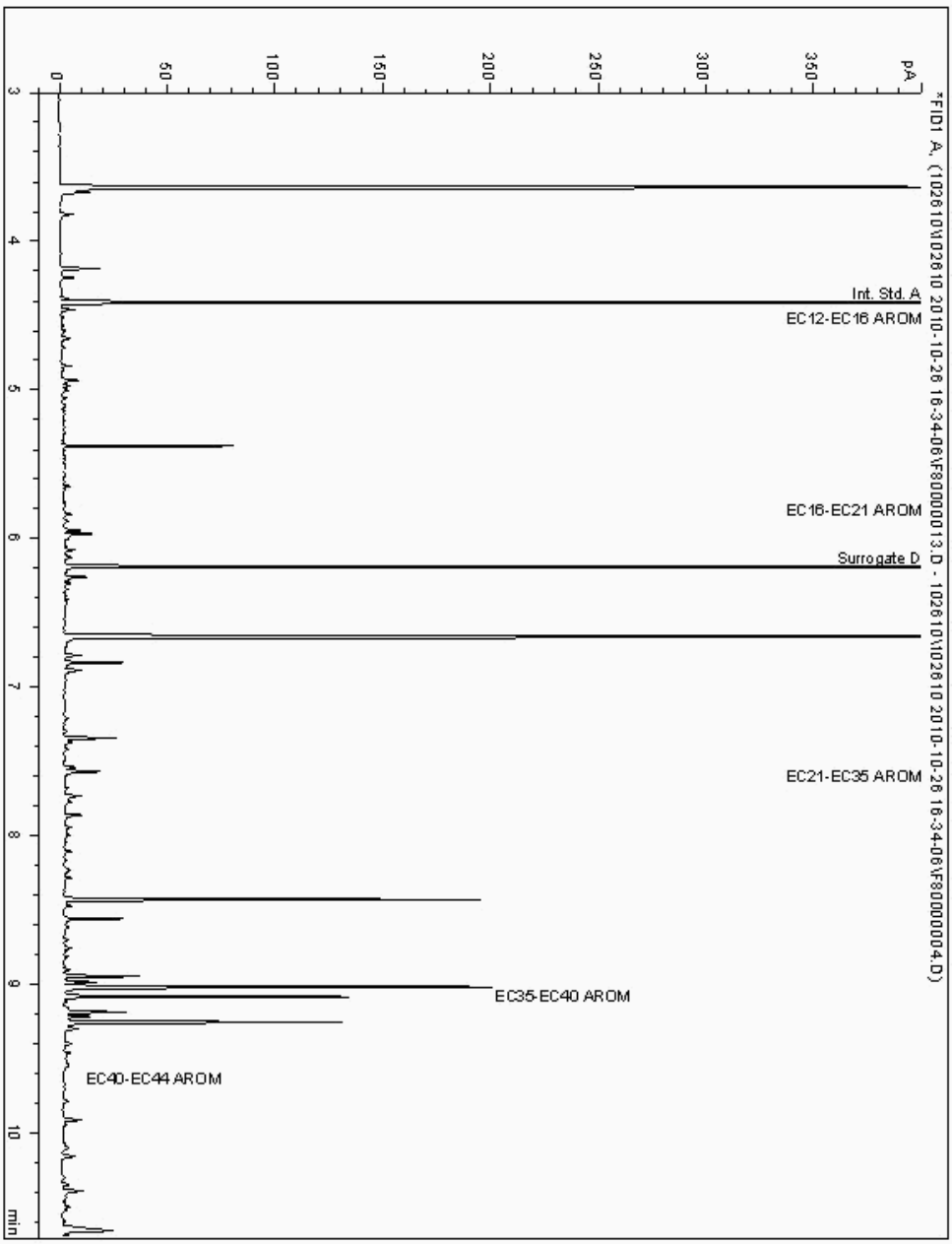
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aromatic) GC (S)	**Sample No**	2289039
		Sample ID	CRUSH 28
		Depth	

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

Sample Identity: 2386582-2289039
Date Acquired : 26/10/10 20:20:54
Units : ppb
Dilution :
CF : 1
Multiplier : 0.956



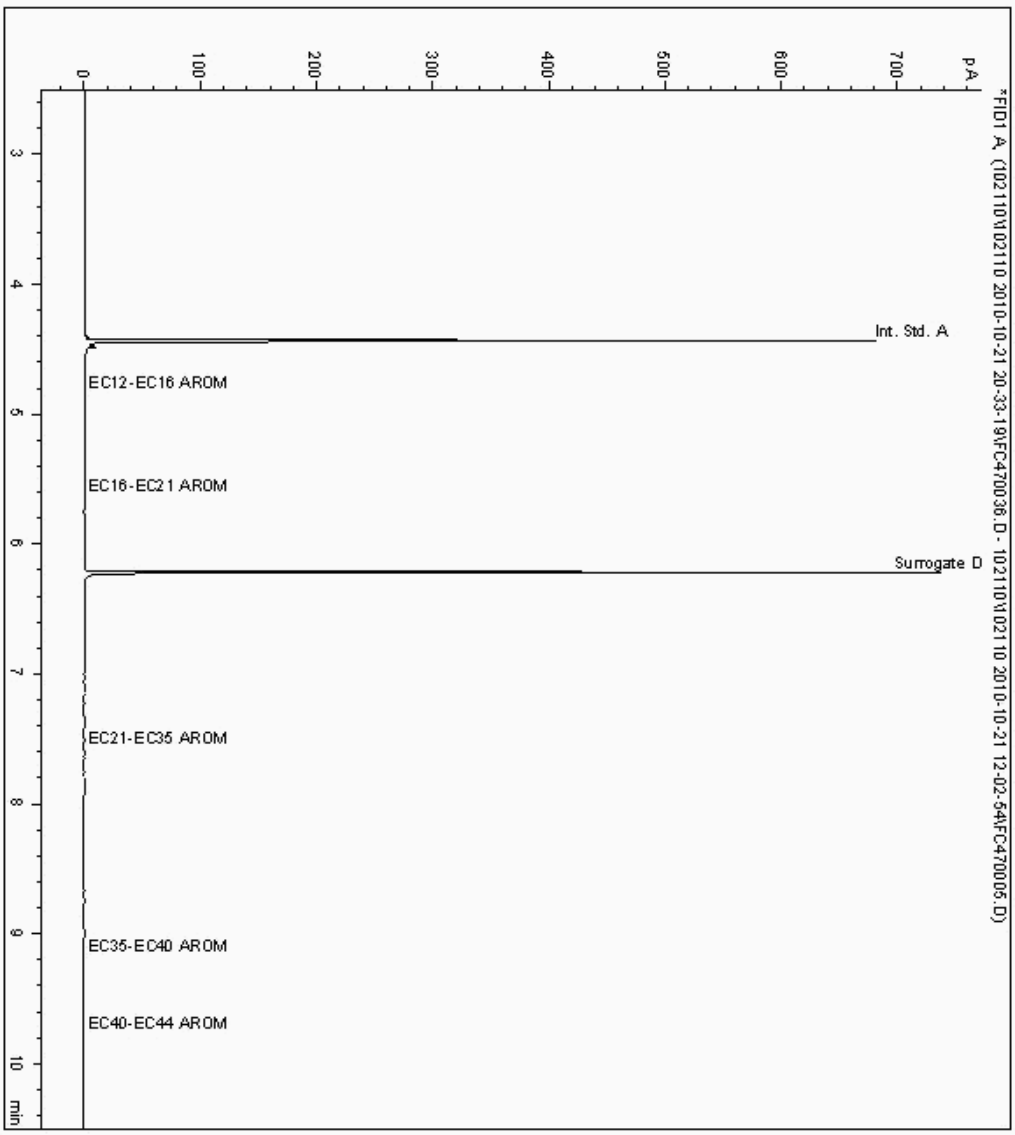
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ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669
Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2269185
		Sample ID	CBL OVERPUMP
		Depth	

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

Sample Identity: 2366716-2269185
Date Acquired : 21/10/10 23:53:21
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

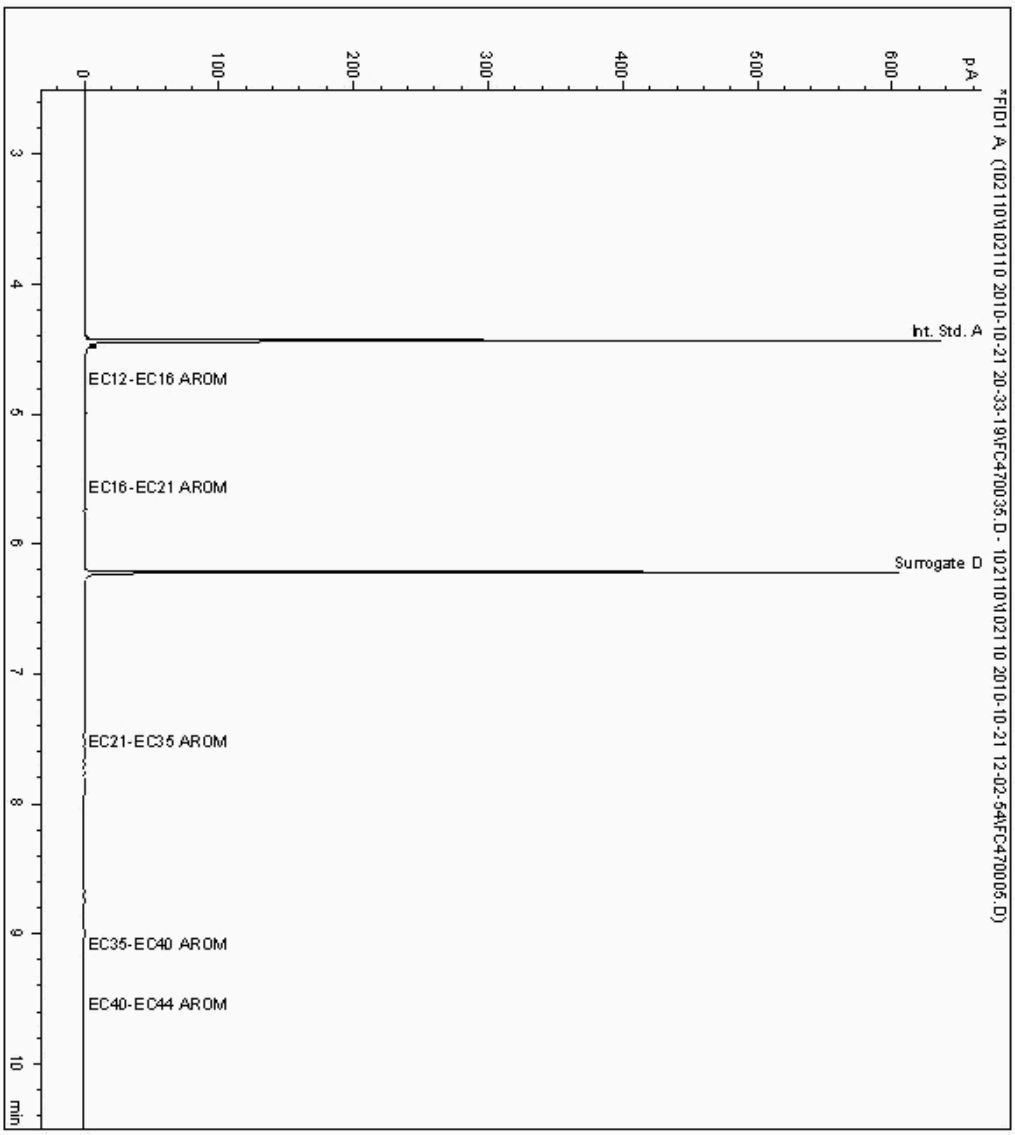
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2269252
		Sample ID	NSR OUT
		Depth	

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

Sample Identity: 2366706-2269252
Date Acquired : 21/10/10 23:34:22
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

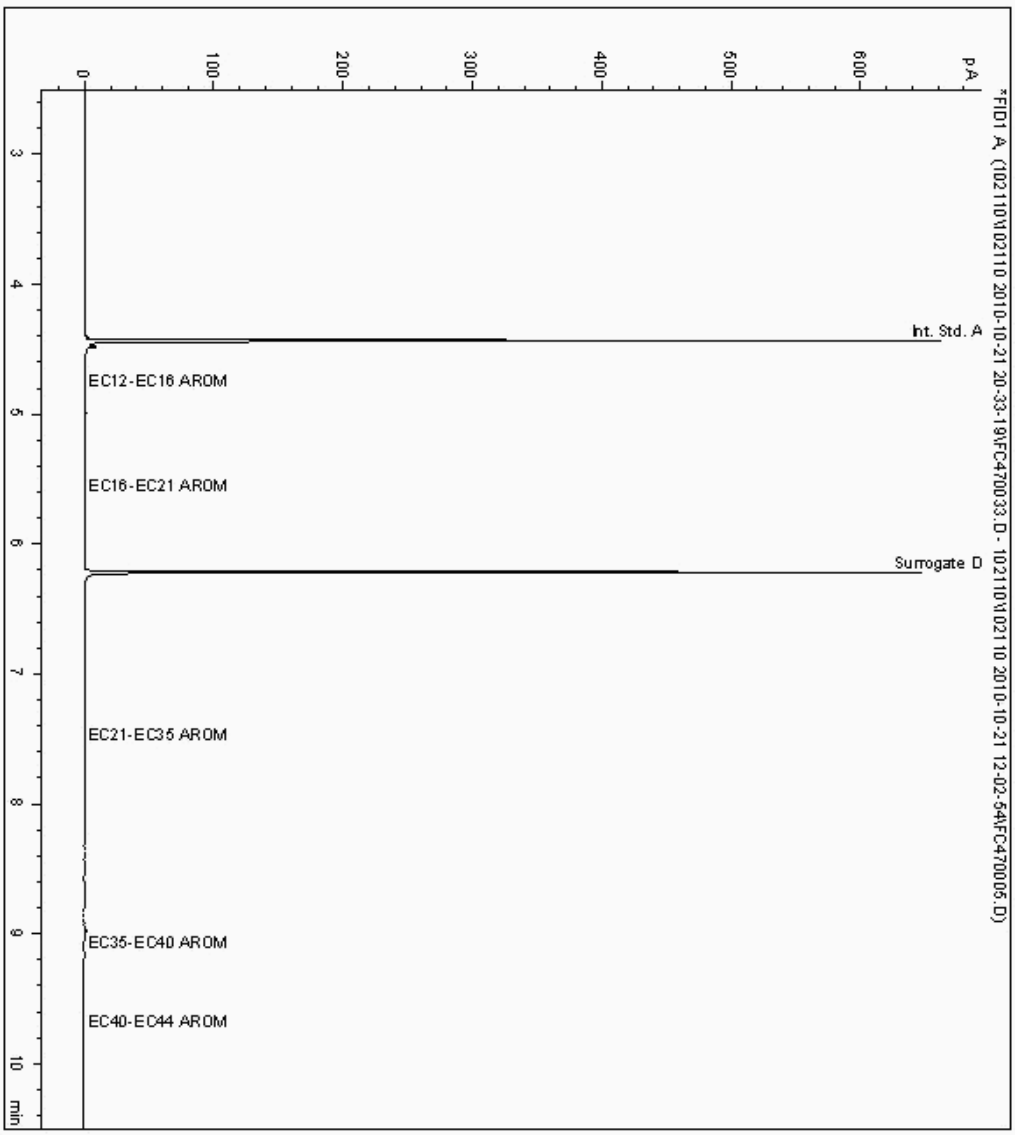
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2269265
		Sample ID	36"
		Depth	

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

Sample Identity: 2366796-2269265
Date Acquired : 21/10/10 22:56:08
Units :
Dilution :
CF : 1
Multiplier : 0.008



Validated

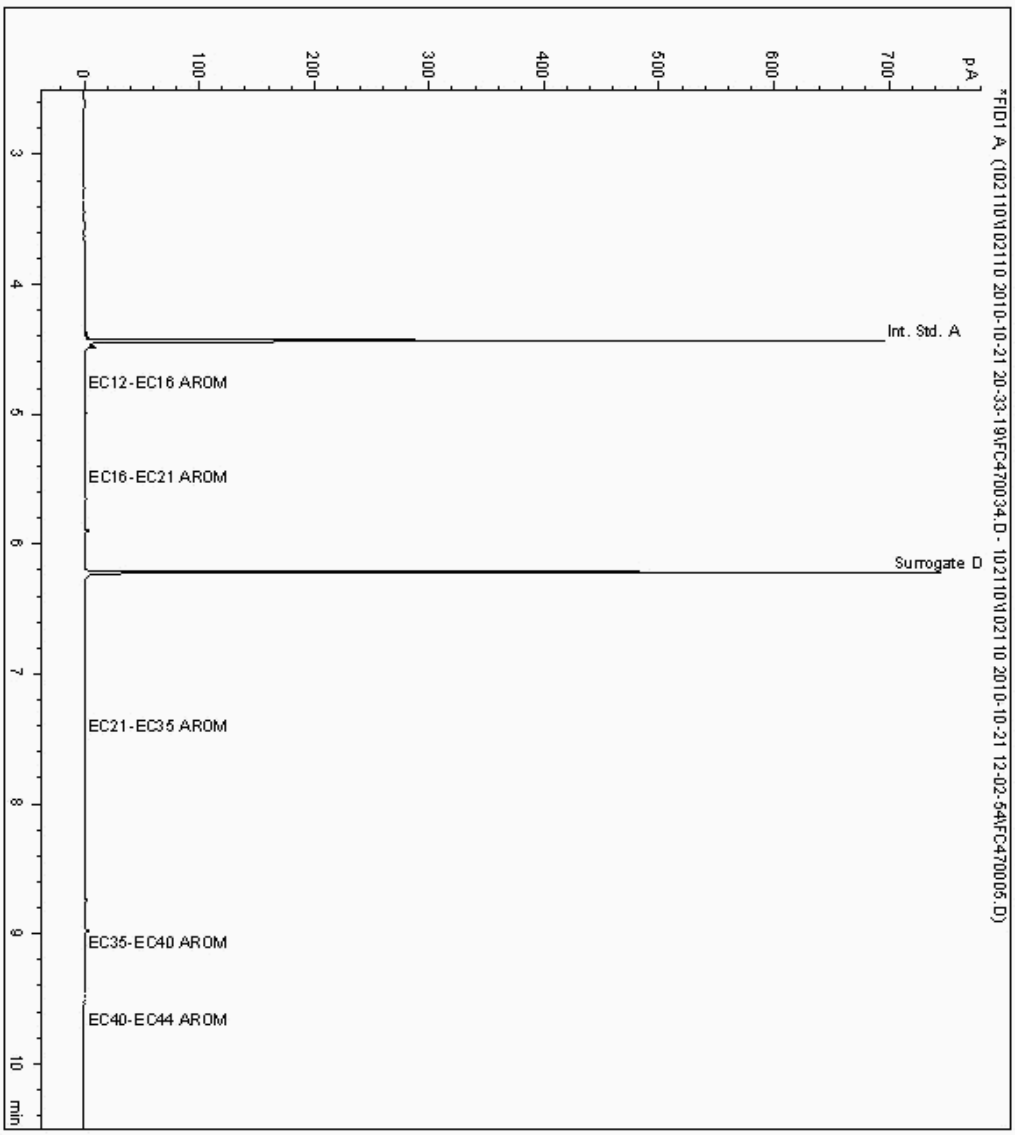
ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	EPH CWG (Aromatic) Aqueous GC (W)	**Sample No**	2269278
		Sample ID	NSR IN
		Depth	

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

Sample Identity: 2366698-2269278
Date Acquired : 21/10/10 23:15:09
Units :
Dilution :
CF : 1
Multiplier : 0.008

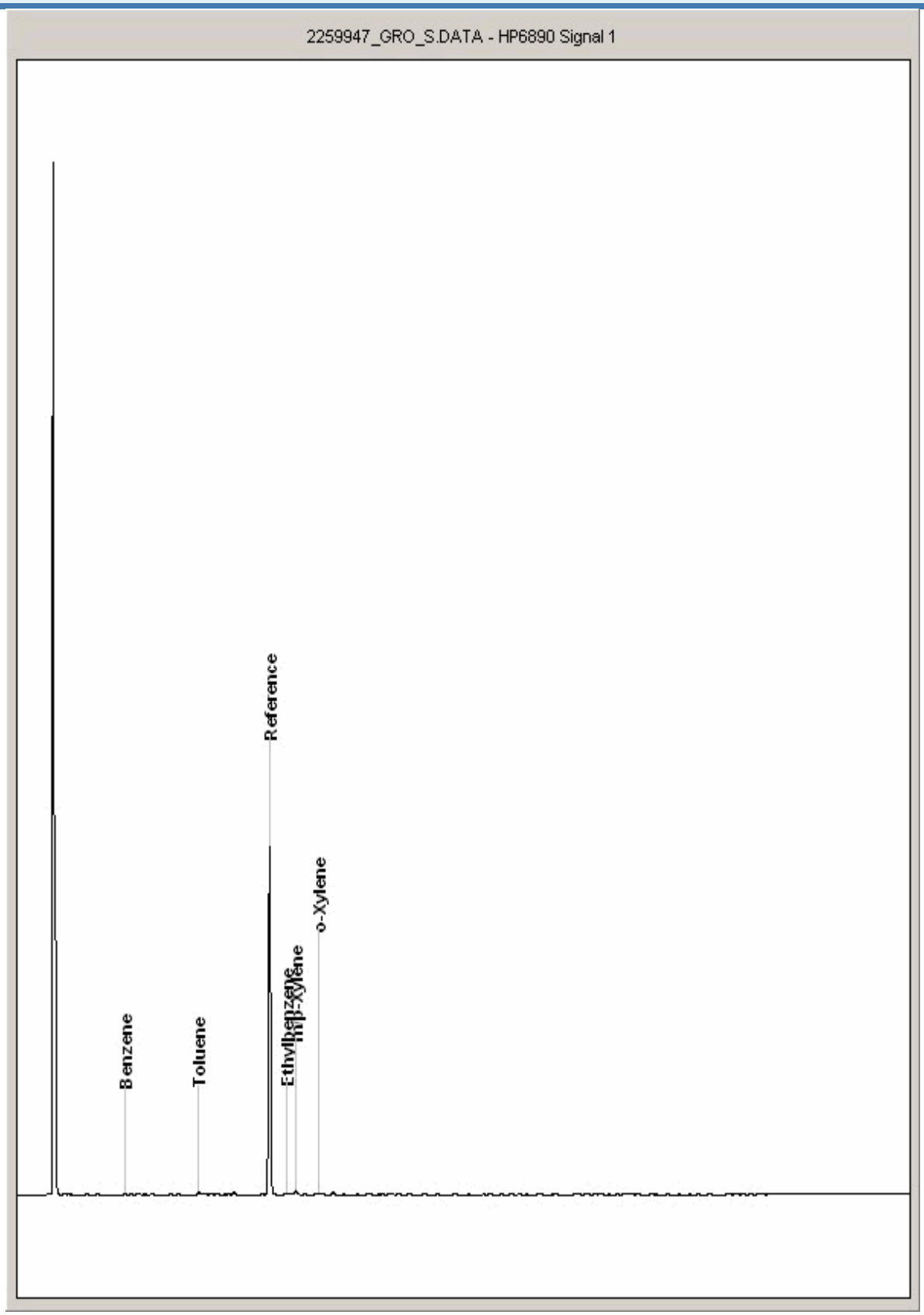


Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	GRO by GC-FID (S)	**Sample No**	2259947
		Sample ID	CRUSH 24
		Depth	

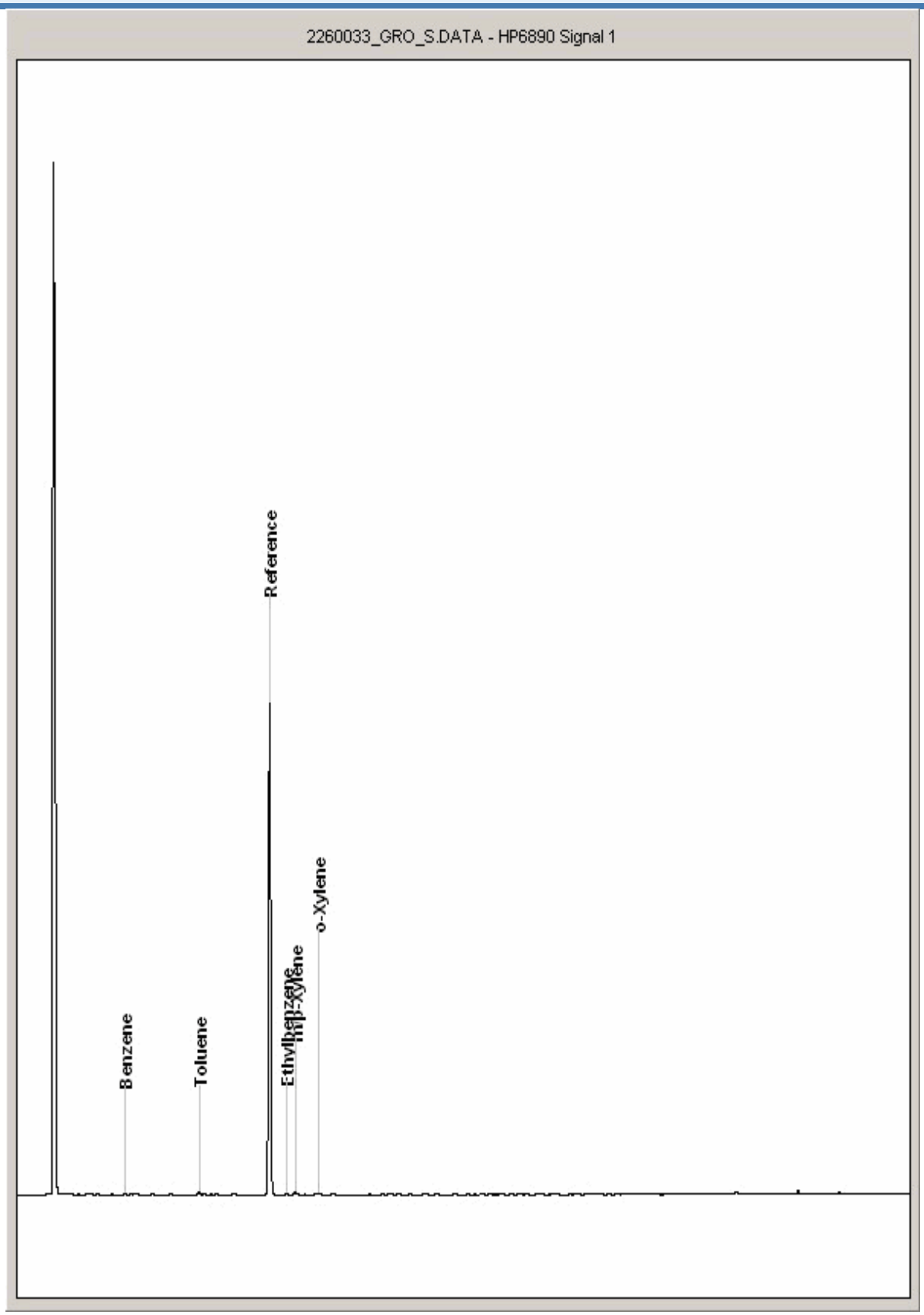


Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	GRO by GC-FID (S)	**Sample No**	2260033
		Sample ID	CRUSH 26
		Depth	

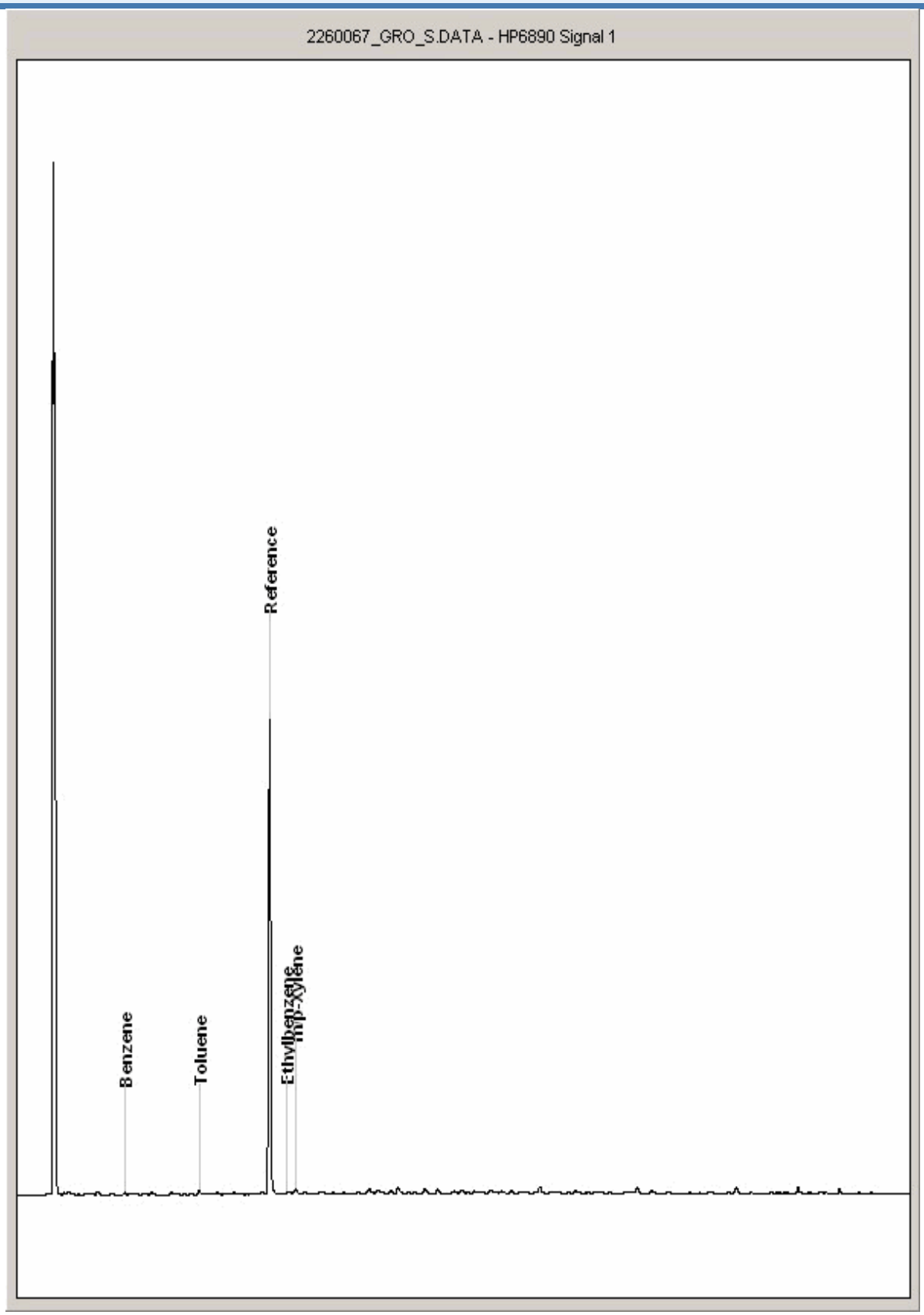


Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	GRO by GC-FID (S)	**Sample No**	2260067
		Sample ID	CRUSH 27
		Depth	

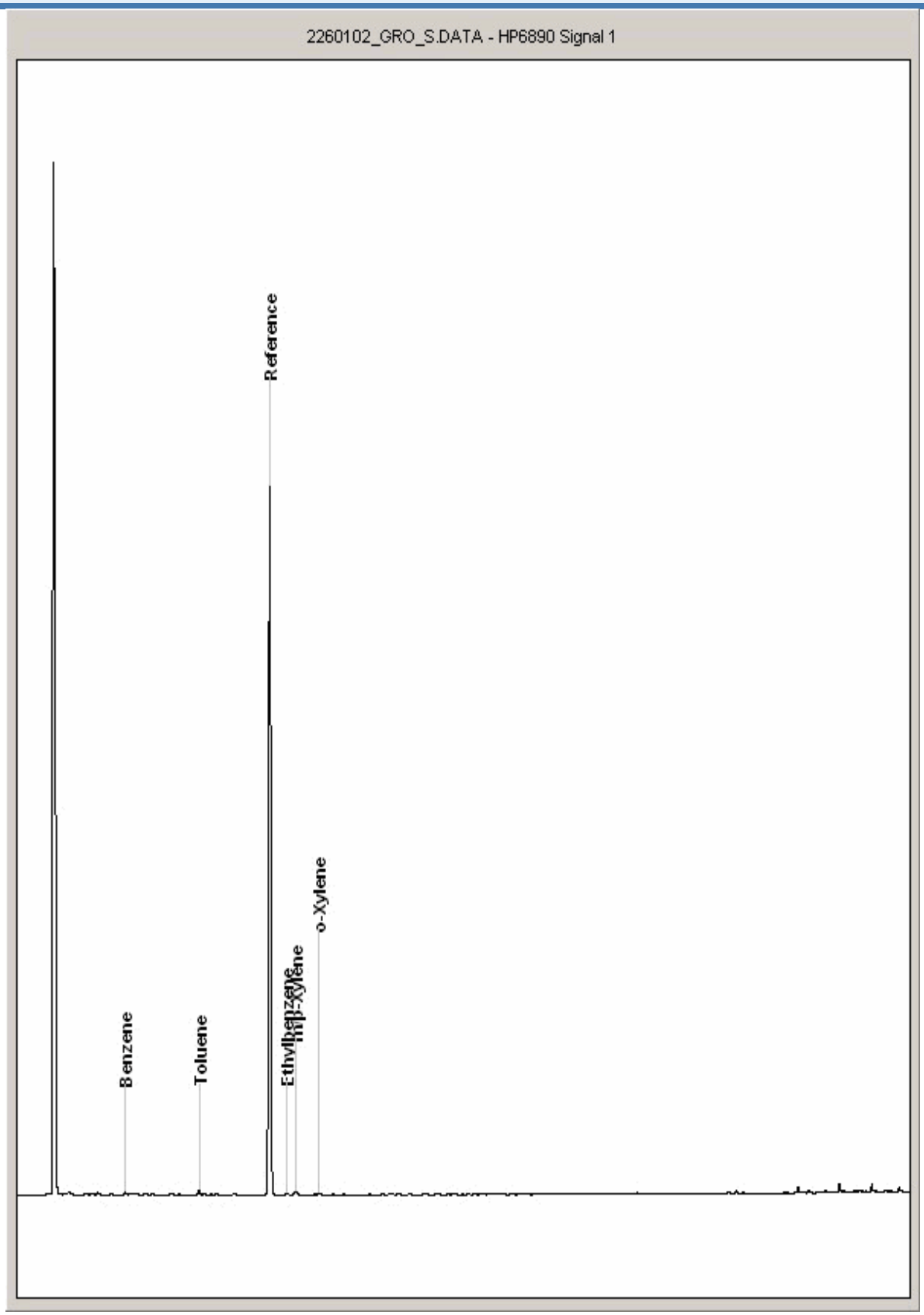


Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	GRO by GC-FID (S)	**Sample No**	2260102
		Sample ID	CRUSH 28
		Depth	

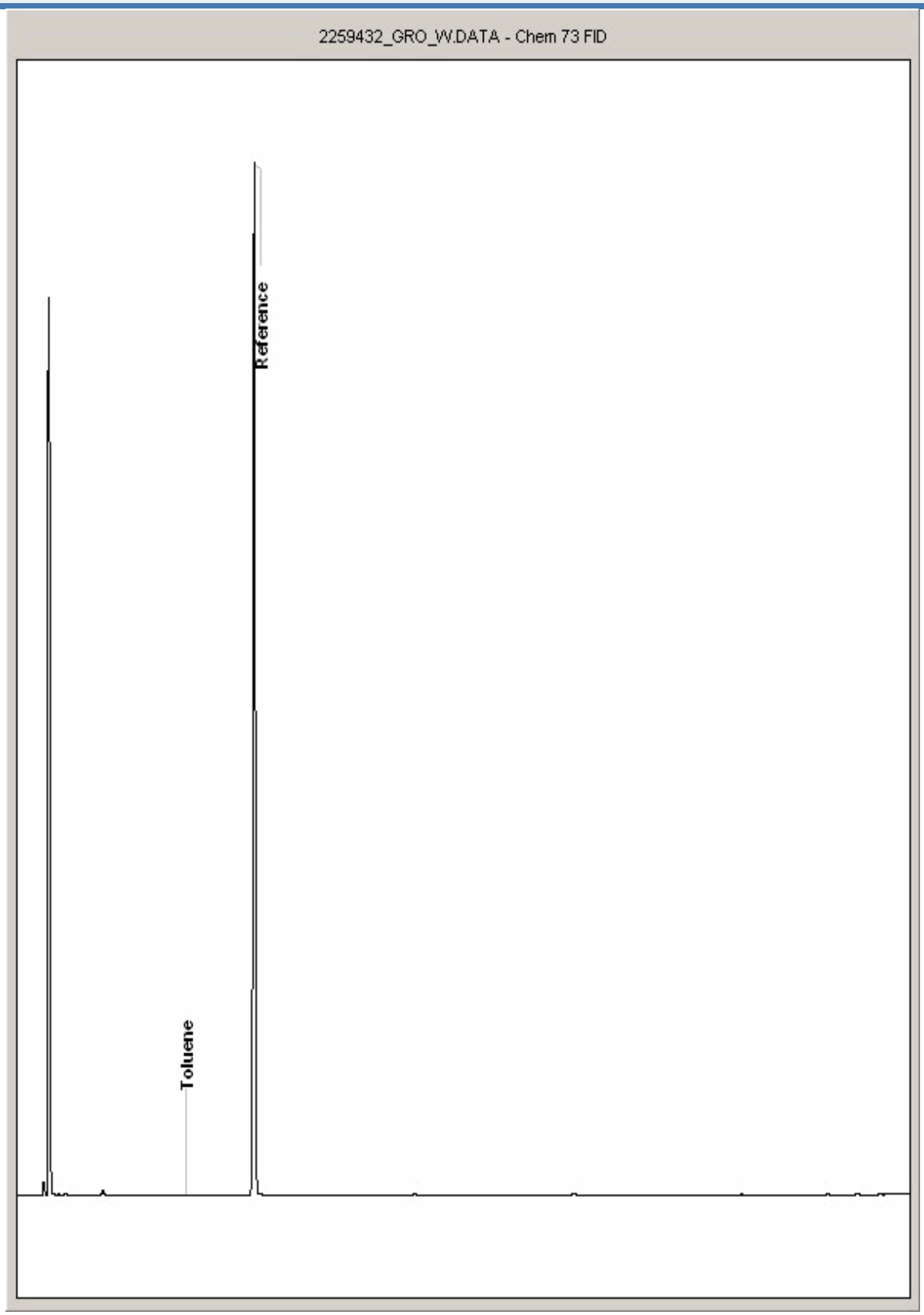


Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	GRO by GC-FID (W)	**Sample No**	2259432
		Sample ID	NSR IN
		Depth	

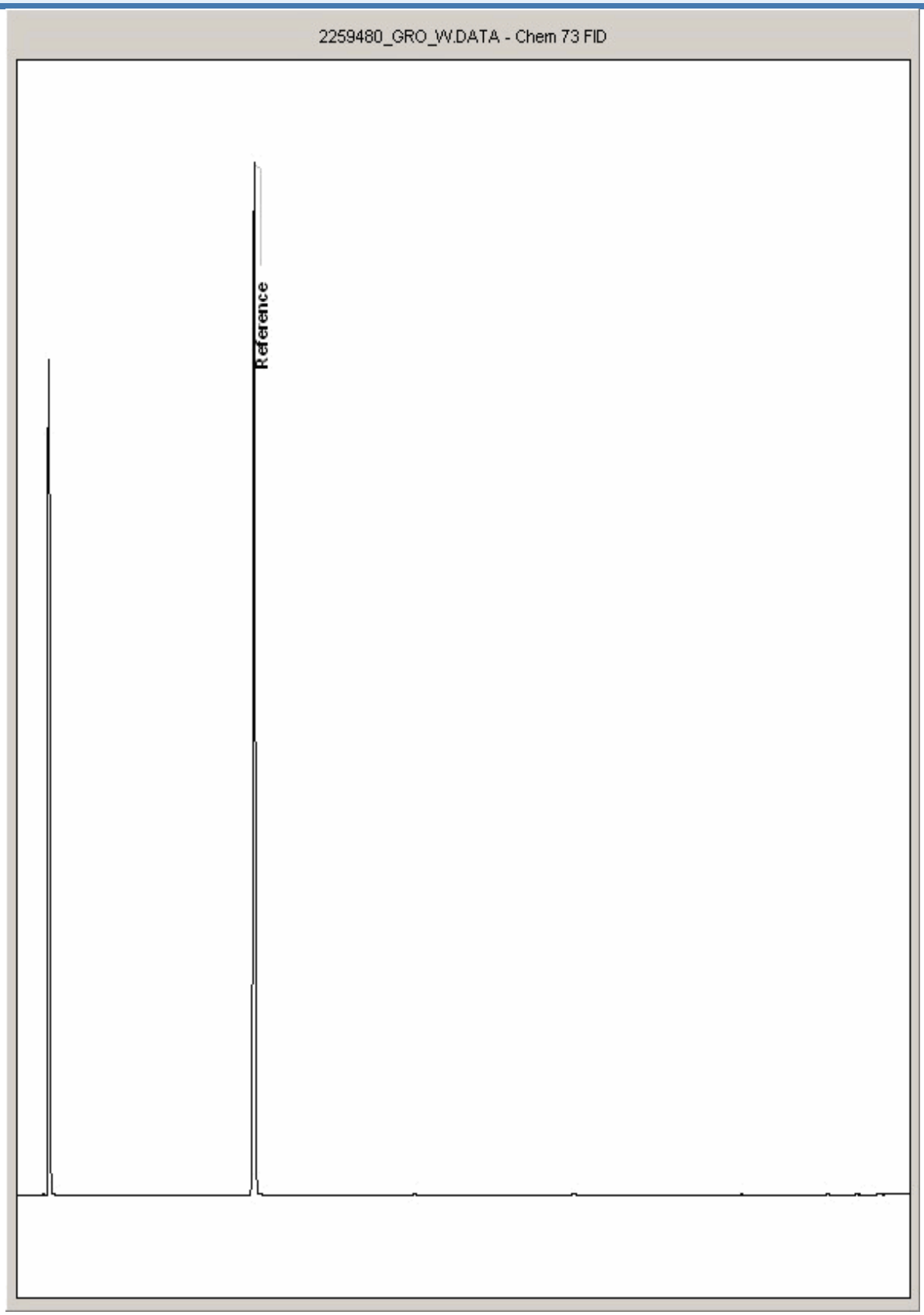


Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	GRO by GC-FID (W)	**Sample No**	2259480
		Sample ID	NSR OUT
		Depth	

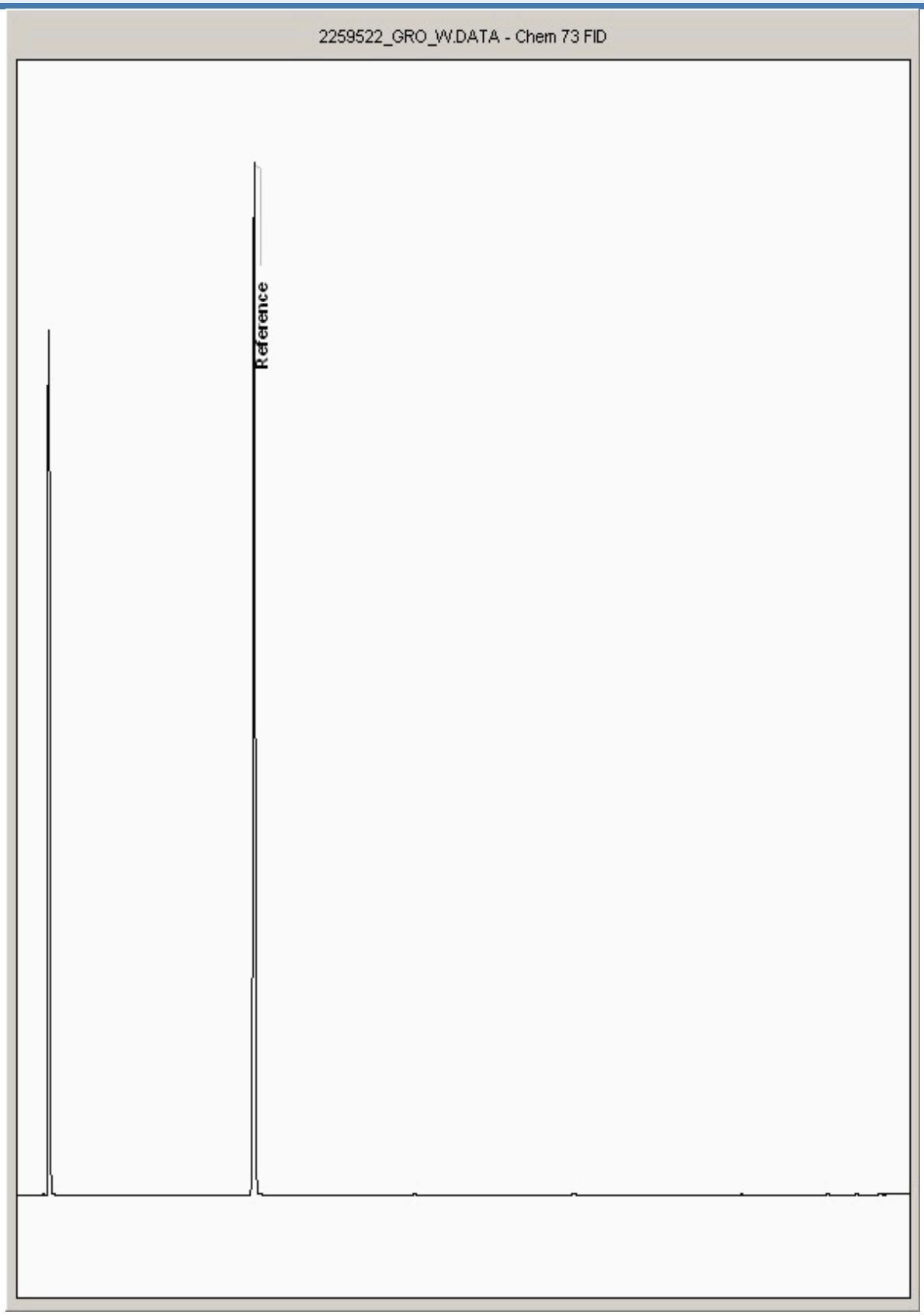


Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	GRO by GC-FID (W)	**Sample No**	2259522
		Sample ID	36"
		Depth	

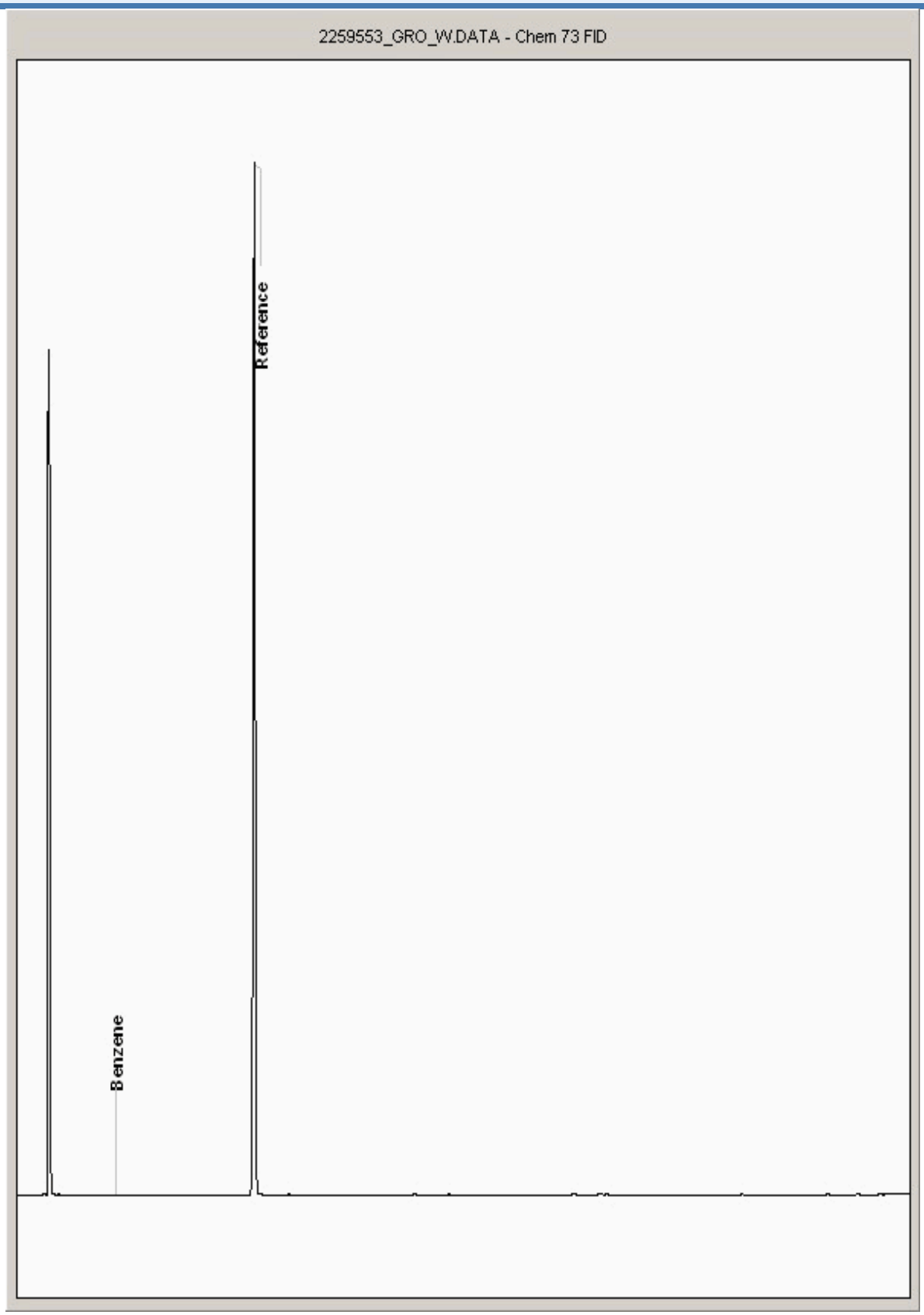


Validated

ALcontrol Laboratories Analytical Services

SDG:	101020-11	**Customer:**	Atkins Coed Darcy
Job:	H_ATKINS_LDC-74	**Attention:**	Alex Mann
Client Ref.:	CBL, 36 inch, NSR and Crush	**Order No.:**	CD0058
Location:	Coed Darcy Urban Village	**Report No:**	102669

Analysis:	GRO by GC-FID (W)	**Sample No**	2259553
		Sample ID	CBL OVERPUMP
		Depth	



National Laboratory Service

Analytical Report

Final Report

Report ID - 20024113 - 1

Batch description: SDG 101020-11 - Permanganate Index

UKAS TESTING
0754

Reported on:
08-Nov-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:	25-Oct-2010
Results for Batch Number	20024113
Your Purchase Order Number:	114426

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 - 20024113 - 1

Batch description: SDG 101020-11 - Permanganate Index

UKAS TESTING
0754

Reported on:
08-Nov-2010

Client:	ALcontrol Laboratories Chester	Project:	Permanganate Index
Folder No:	001456019	Sampled on:	Date Not Supplied
Comments:	2269025 - 2260661 - 36"		
Quote No:	5817	Matrix:	Effluent

Analyte	Result	Units	MRV	Accred	Lab ID	Testcode
Permanganate Index 10 Minutes	2.69	mg/l	0.5	None	NM	184
Permanganate Value N/80 4 Hours	2.59	mg/l	0.5	UKAS	NM	184

National Laboratory Service

Analytical Report

Final Report

Report ID - 20024113 - 1

Batch description: SDG 101020-11 - Permanganate Index

0754

Reported on:
08-Nov-2010

Client:	ALcontrol Laboratories Chester	Project:	Permanganate Index
Folder No:	001456020	Sampled on:	Date Not Supplied
Comments:	2269140 - 2259587 - CBL Overpump		
Quote No:	5817	Matrix:	Effluent

Analyte	*Result*	*Units*	*MRV*	*Accred*	*Lab ID*	*Testcode*
Permanganate Index 10 Minutes	3.89	mg/l	*0.5*	None	NM	184
Permanganate Value N/80 4 Hours	3.35	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 - 20024113 - 1

Batch description: SDG 101020-11 - Permanganate Index

UKAS TESTING
0754

Reported on:
08-Nov-2010

Method Description Summary for all samples in batch Number 20024113

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.

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

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

Attention: Alex Mann

CERTIFICATE OF ANALYSIS

Date:	13 December 2010
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	101125-112
Your Reference:	Crush. D Block II and Tech Building
Location:	Coed Darcy Urban Village
Report No:	107579

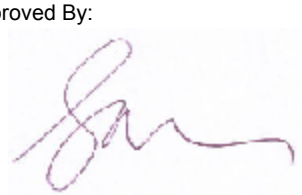
We received 94 samples on Thursday November 25, 2010 and 34 of these samples were scheduled for analysis which was completed on Monday December 13, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of 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:



Sonia McWhan

Laboratory Manager

1291
GROUP

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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:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
2511564	CRUSH33	ES		23/11/2010
2511565	CRUSH34	ES		23/11/2010
2511566	CRUSH35	ES		23/11/2010
2511568	D32	ES	0.10	23/11/2010
2511569	D32	ES	0.40	23/11/2010
2511570	D32	ES	0.80	23/11/2010
2511573	D32	ES	1.20	23/11/2010
2511574	D32	ES	1.60	23/11/2010
2511577	D47	ES	0.10	23/11/2010
2511579	D47	ES	0.30	23/11/2010
2511581	D47	ES	0.60	23/11/2010
2511584	D48	ES	0.10	23/11/2010
2511585	D48	ES	0.30	23/11/2010
2511586	D48	ES	0.80	23/11/2010
2511587	D48	ES	1.10	23/11/2010
2511589	D49	ES	0.10	23/11/2010
2511590	D49	ES	0.40	23/11/2010
2511594	D49	ES	0.80	23/11/2010
2511597	D50	ES	0.10	23/11/2010
2511598	D50	ES	0.30	23/11/2010
2511666	D51	ES	0.10	23/11/2010
2511665	D51	ES	0.40	23/11/2010
2511667	D52	ES	0.10	23/11/2010
2511668	D53	ES	0.00	23/11/2010
2511671	D54	ES	0.10	23/11/2010
2511675	D54	ES	0.40	23/11/2010
2511669	D54	ES	0.70	23/11/2010
2511676	D55	ES	0.10	23/11/2010
2511678	D56	ES	0.00	23/11/2010
2511679	D57	ES	0.00	23/11/2010
2511685	D58	ES	0.10	23/11/2010
2511683	D58	ES	0.40	23/11/2010
2511682	D58	ES	0.70	23/11/2010
2511681	D58	ES	1.20	23/11/2010
2511684	D58	ES	1.70	23/11/2010
2511688	D59	ES	0.10	23/11/2010
2511687	D59	ES	0.30	23/11/2010
2511690	D60	ES	0.10	23/11/2010
2511689	D60	ES	0.20	23/11/2010
2511691	D61	ES	0.10	23/11/2010
2511692	D61	ES	0.30	23/11/2010
2511764	D62	ES	0.10	23/11/2010
2511767	D63	ES	0.10	23/11/2010
2511768	D64	ES	0.10	23/11/2010
2511769	D65	ES	0.00	23/11/2010
2511770	D66	ES	0.10	23/11/2010
2511772	D67	ES	0.10	23/11/2010
2511774	D67	ES	0.40	23/11/2010
2511777	D68	ES		23/11/2010
2511778	D69	ES	0.10	23/11/2010
2511783	D69	ES	0.30	23/11/2010
2511785	D69	ES	0.70	23/11/2010
2511786	D69	ES	1.10	23/11/2010
2511787	D70	ES	0.10	23/11/2010
2511789	D70	ES	0.20	23/11/2010
2511790	D71	ES	0.10	24/11/2010

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
2511791	D72	ES	0.00	24/11/2010
2511792	D73	ES	0.00	24/11/2010
2511794	D74	ES	0.00	24/11/2010
2511796	D75	ES	0.00	24/11/2010
2511852	D76	ES	0.10	24/11/2010
2511853	D77	ES	0.00	24/11/2010
2511855	D78	ES	0.10	24/11/2010
2511856	D78	ES	0.40	24/11/2010
2511858	D78	ES	0.80	24/11/2010
2511859	D79	ES	0.00	24/11/2010
2511862	D80	ES	0.10	24/11/2010
2511863	D80	ES	0.40	24/11/2010
2511864	D82	ES	0.00	24/11/2010
2511867	D84	ES	0.00	24/11/2010
2511869	D85	ES	0.00	24/11/2010
2511872	D86	ES	0.00	24/11/2010
2511873	D87	ES	0.10	24/11/2010
2511874	D87	ES	0.20	24/11/2010
2511875	D89	ES	0.00	24/11/2010
2511876	D90	ES	0.00	24/11/2010
2511879	D91	ES	0.10	24/11/2010
2511880	D91	ES	0.20	24/11/2010
2511882	D92	ES	0.10	24/11/2010
2511886	D92	ES	0.30	24/11/2010
2511888	D93	ES	0.10	24/11/2010
2511910	TB1	ES	0.10	24/11/2010
2511911	TB1	ES	0.20	24/11/2010
2511913	TB2	ES	0.10	24/11/2010
2511915	TB2	ES	0.40	24/11/2010
2511917	TB3	ES	0.00	24/11/2010
2511919	TB4	ES	0.10	24/11/2010
2511920	TB4	ES	0.40	24/11/2010
2511921	TB4	ES	0.80	24/11/2010
2511922	TB4	ES	1.20	24/11/2010
2511924	TB5	ES	0.10	24/11/2010
2511925	TB5	ES	0.40	24/11/2010
2511926	TB5	ES	0.80	24/11/2010
2511928	TB5	ES	1.20	24/11/2010

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

CERTIFICATE OF ANALYSIS

SDG: 101125-112
Job: H_ATKINS_LDC-83
Client Reference: Crush. D Block II and Tech Building
Location: Coed Darcy Urban Village
Customer: Atkins Coed Darcy
Attention: Alex Mann
Order Number: CD0069
Report Number: 107579
Superseded Report:

Test Schedule

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			2511568		2511570		2511573		2511564			2511565			2511566			2511579			2511584			2511586		2511589	2511590		2511594			2511597	2511598			2511666		2511667	2511669		2511671	
Customer Sample Reference			D32		D32		D32		CRUSH33			CRUSH34			CRUSH35			D47			D48			D48		D49	D49		D49			D50	D50			D51		D52	D54		D54	
AGS Reference			ES		ES		ES		ES			ES			ES			ES			ES			ES		ES	ES		ES			ES	ES			ES		ES	ES		ES	
Depth (m)			0.10		0.80		1.20											0.30			0.10			0.80		0.10	0.40		0.80			0.10	0.30			0.10		0.10	0.70		0.10	
Container			250g Amber Jar	400g Tub	250g Amber Jar	60g VOC	250g Amber Jar	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	60g VOC	400g Tub	250g Amber Jar	60g VOC	250g Amber Jar	400g Tub	60g VOC	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	250g Amber Jar	60g VOC	250g Amber Jar	400g Tub
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 13		X						X			X			X			X							X						X					X					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 24			X		X		X			X			X			X			X			X			X		X				X						X			
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23			X		X		X			X			X			X			X			X			X		X				X						X			
GRO by GC-FID (S)	All	NDPs: 0 Tests: 24				X		X			X			X			X			X			X		X			X			X				X					X		
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
	Cadmium	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
	Chromium	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
	Copper	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
	Lead	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
	Mercury	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
	Nickel	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
	Selenium	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
	Vanadium	NDPs: 0 Tests: 24	X		X				X			X			X			X						X			X		X				X			X		X			X	
	Zinc	NDPs: 0 Tests: 25	X		X				X			X			X			X			X			X			X		X				X			X		X			X	
PAH by GCMS	All	NDPs: 0 Tests: 20	X						X			X			X			X			X			X			X		X				X			X		X			X	
pH	All	NDPs: 0 Tests: 14								X			X			X						X								X				X			X					X
Sample description	All	NDPs: 0 Tests: 30	X		X		X		X			X			X			X			X			X			X		X				X			X		X	X		X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 4					X																																			
TPH CWG GC (S)	All	NDPs: 0 Tests: 24			X		X		X			X			X			X			X			X			X		X				X						X			
VOC MS (S)	All	NDPs: 0 Tests: 4						X																																		

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	2511915	2511925	2511928	2511676	2511688	2511692	2511764	2511768	2511770	2511774	2511777	2511783	2511786	2511855	2511863	2511880
			Customer Sample Reference	TB2	TB5	TB5	D55	D59	D61	D62	D64	D66	D67	D68	D69	D69	D78	D80	D91
			AGS Reference	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
			Depth (m)	0.40	0.40	1.20	0.10	0.10	0.30	0.10	0.10	0.10	0.40		0.30	1.10	0.10	0.40	0.20
			Container	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	60g VOC	250g Amber Jar	60g VOC	250g Amber Jar	60g VOC	400g Tub	250g Amber Jar	60g VOC	BAG	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	60g VOC	250g Amber Jar	60g VOC
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 13				X							X				X		X				X				X										
Asbestos Identification	All	NDPs: 0 Tests: 1														X																					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 24	X		X		X	X	X		X		X		X		X			X		X				X											
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 23	X		X		X	X	X		X		X		X		X			X		X															
GRO by GC-FID (S)	All	NDPs: 0 Tests: 24		X		X	X	X		X		X		X		X			X		X			X		X											X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Cadmium	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Chromium	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Copper	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Lead	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Mercury	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Nickel	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Selenium	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Vanadium	NDPs: 0 Tests: 24	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
	Zinc	NDPs: 0 Tests: 25	X		X		X		X		X			X			X			X		X		X		X		X		X	X						
PAH by GCMS	All	NDPs: 0 Tests: 20	X						X					X			X					X		X		X		X		X	X						
pH	All	NDPs: 0 Tests: 14		X		X				X		X				X			X																			
Sample description	All	NDPs: 0 Tests: 30	X		X		X	X	X		X		X		X		X			X		X		X		X		X		X	X						
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 4			X						X						X																				
Total Organic Carbon	All	NDPs: 0 Tests: 4	X		X		X				X																										
TPH CWG GC (S)	All	NDPs: 0 Tests: 24	X		X		X	X	X		X		X		X		X			X		X		X		X		X		X							X

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**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			
2511915	TB2	ES	0.40	250g Amber Jar			
				400g Tub			
				60g VOC			
2511925	TB5	ES	0.40	250g Amber Jar			
				400g Tub			
				60g VOC	X		
2511928	TB5	ES	1.20	250g Amber Jar			
				60g VOC			
2511676	D55	ES	0.10	250g Amber Jar			
				60g VOC			
2511688	D59	ES	0.10	250g Amber Jar			
				400g Tub			
				60g VOC			
2511692	D61	ES	0.30	250g Amber Jar			
				400g Tub			
				60g VOC	X		
2511764	D62	ES	0.10	250g Amber Jar			
2511768	D64	ES	0.10	60g VOC			
				400g Tub			
2511770	D66	ES	0.10	250g Amber Jar			
				60g VOC			
2511774	D67	ES	0.40	250g Amber Jar			
				400g Tub			
				60g VOC			
2511777	D68	ES		BAG			
2511783	D69	ES	0.30	250g Amber Jar			
				400g Tub			
				60g VOC	X		
2511786	D69	ES	1.10	250g Amber Jar			
				60g VOC			
2511855	D78	ES	0.10	250g Amber Jar			
				400g Tub			
2511863	D80	ES	0.40	250g Amber Jar			
2511880	D91	ES	0.20	60g VOC			

VOC MS (S)	All	NDPs: 0 Tests: 4	

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**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
2511564	CRUSH33		Grey	Silty Sand	0.063 - 0.1 mm	Stones	N/A
2511565	CRUSH34		Dark Brown	Sand	0.1 - 2 mm	Stones	None
2511566	CRUSH35		Light Brown	Sand	0.1 - 2 mm	Stones	None
2511568	D32	0.10	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
2511570	D32	0.80	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
2511573	D32	1.20	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
2511579	D47	0.30	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	None
2511584	D48	0.10	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	N/A
2511586	D48	0.80	Dark Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	N/A
2511590	D49	0.40	Dark Brown	Sandy Silt Loam	<0.063 mm	Stones	N/A
2511594	D49	0.80	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
2511598	D50	0.30	Dark Brown	Loamy Sand	2 - 10 mm	Stones	N/A
2511666	D51	0.10	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	None
2511667	D52	0.10	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	N/A
2511669	D54	0.70	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
2511671	D54	0.10	Dark Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	N/A
2511676	D55	0.10	Dark Brown	Silty Clay	0.063 - 0.1 mm	N/A	N/A
2511688	D59	0.10	Black	Sand	0.1 - 2 mm	Stones	N/A
2511692	D61	0.30	Dark Brown	Silty Clay	0.063 - 0.1 mm	N/A	N/A
2511764	D62	0.10	Light Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
2511770	D66	0.10	Light Brown	Sand	0.1 - 2 mm	Stones	N/A
2511774	D67	0.40	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
2511783	D69	0.30	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
2511786	D69	1.10	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
2511855	D78	0.10	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones	N/A
2511863	D80	0.40	Black	Sand	0.1 - 2 mm	Stones	N/A
2511880	D91	0.20	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	N/A
2511915	TB2	0.40	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
2511925	TB5	0.40	Dark Brown	Silty Clay Loam	<0.063 mm	Stones	N/A
2511928	TB5	1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum

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:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CRUSH33	CRUSH34	CRUSH35	D32	D32	D47
			Depth (m)	.	.	.	0.10	0.80	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511564	2511565	2511566	2511568	2511570	2511579
			AGS Reference	ES	ES	ES	ES	ES	ES
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected		No ACM Detected
pH	1 pH Units	TM133		11.6 M	11.8 M	12.2 M			
Arsenic	<0.6 mg/kg	TM181		7.6 M	18.5 M	10.7 M	20 M	20.9 M	24.9 M
Cadmium	<0.02 mg/kg	TM181		0.802 M	<0.02 M	0.57 M	1.56 M	0.98 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		19.5 M	13.7 M	12.1 M	20.1 M	27.9 M	23.6 M
Copper	<1.4 mg/kg	TM181		18.1 M	20.8 M	16.2 M	76 M	102 M	127 M
Lead	<0.7 mg/kg	TM181		26.2 M	40.9 M	12.2 M	65.5 M	89.3 M	96.2 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	2.03 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		14.3 M	15 M	11 M	31.7 M	30 M	40.1 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	1.04 #	<1 #
Vanadium	<0.2 mg/kg	TM181		12.7 #	14.8 #	12.8 #	23.1 #	41.4 #	24.6 #
Zinc	<1.9 mg/kg	TM181		62 M	139 M	46.7 M	177 M	177 M	253 M

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D48	D48	D49	D49	D49	D50
			Depth (m)	0.10	0.80	0.10	0.40	0.80	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511584	2511586	2511589	2511590	2511594	2511597
			AGS Reference	ES	ES	ES	ES	ES	ES
Asbestos Containing Material Screen	-	TM001			No ACM Detected			No ACM Detected
pH	1 pH Units	TM133	8.15 M					11.1 M	
Arsenic	<0.6 mg/kg	TM181	23.7 M	21.2 M		23.8 M		13.5 M	
Cadmium	<0.02 mg/kg	TM181	1.76 M	0.852 M		0.176 M		0.647 M	
Chromium	<0.9 mg/kg	TM181	19.4 M	18.3 M		18.8 M		14.7 M	
Copper	<1.4 mg/kg	TM181	95.4 M	68.8 M		68.2 M		36.3 M	
Lead	<0.7 mg/kg	TM181	72.7 M	57.6 M		71.8 M		50.4 M	
Mercury	<0.14 mg/kg	TM181	0.143 M	1.15 M		<0.14 M		3.07 M	
Nickel	<0.2 mg/kg	TM181	30.4 M	21.1 M		24.8 M		19 M	
Selenium	<1 mg/kg	TM181	<1 #	1.24 #		<1 #		1.19 #	
Vanadium	<0.2 mg/kg	TM181		22.3 #		22.4 #		16.7 #	
Zinc	<1.9 mg/kg	TM181	169 M	139 M		163 M		121 M	

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D50	D51	D52	D54	D59	D61
			Depth (m)	0.30	0.10	0.10	0.10	0.10	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511598	2511666	2511667	2511671	2511688	2511692
			AGS Reference	ES	ES	ES	ES	ES	ES
Asbestos Containing Material Screen	-	TM001		No ACM Detected					
Soil Organic Matter (SOM)	<0.35 %	TM132							3.17 #
pH	1 pH Units	TM133	7.74 M	8.24 M		7.91 M	8.36 M	4.82 M	
Arsenic	<0.6 mg/kg	TM181	25.2 M	28.1 M	23.3 M	56 M	68.8 M	43.1 M	
Cadmium	<0.02 mg/kg	TM181	1.88 M	1.73 M	1.22 M	1.82 M	3.62 M	0.946 M	
Chromium	<0.9 mg/kg	TM181	23.3 M	19.2 M	19.3 M	17.8 M	239 M	12.8 M	
Copper	<1.4 mg/kg	TM181	69.4 M	85.3 M	109 M	130 M	332 M	63 M	
Lead	<0.7 mg/kg	TM181	80.1 M	71.8 M	58.6 M	69.4 M	1660 M	11.9 M	
Mercury	<0.14 mg/kg	TM181	2.52 M	<0.14 M	<0.14 M	<0.14 M	0.571 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181	28.5 M	28 M	29.5 M	28.2 M	41 M	19.5 M	
Selenium	<1 mg/kg	TM181	3.17 #	<1 #	<1 #	<1 #	4.84 #	<1 #	
Vanadium	<0.2 mg/kg	TM181	25.1 #	25.7 #	22.9 #	25.8 #	79.4 #	15.7 #	
Zinc	<1.9 mg/kg	TM181	176 M	146 M	186 M	154 M	2670 M	46.1 M	

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	D64	D67	D68	D69	D69	D78
			Depth (m)	0.10	0.40	.	0.30	1.10	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	24/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511768	2511774	2511777	2511783	2511786	2511855
			AGS Reference	ES	ES	ES	ES	ES	ES
Asbestos Containing Material Screen	-	TM001		No ACM Detected		Possible ACM Det	No ACM Detected		No ACM Detected
pH	1 pH Units	TM133			8.01 M		7.89 M		
Arsenic	<0.6 mg/kg	TM181			31.3 M		23.6 M	28.6 M	16.7 M
Cadmium	<0.02 mg/kg	TM181			1.9 M		1.46 M	1.55 M	1.16 M
Chromium	<0.9 mg/kg	TM181			19 M		21.5 M	27.5 M	17.5 M
Copper	<1.4 mg/kg	TM181			102 M		64.8 M	64.6 M	30.5 M
Lead	<0.7 mg/kg	TM181			71.6 M		54.2 M	58.1 M	22.7 M
Mercury	<0.14 mg/kg	TM181			<0.14 M		<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181			34.9 M		21.4 M	38.6 M	36.1 M
Selenium	<1 mg/kg	TM181			<1 #		<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181			23.9 #		26.7 #	20 #	16.7 #
Zinc	<1.9 mg/kg	TM181			177 M		135 M	152 M	94.7 M

CERTIFICATE OF ANALYSIS

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Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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§	Non-conforming work.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	D80	D91	TB2	TB5	TB5
			Depth (m)	0.40	0.20	0.40	0.40	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/11/2010	24/11/2010	24/11/2010	24/11/2010	24/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511863	2511880	2511915	2511925	2511928
			AGS Reference	ES	ES	ES	ES	ES
Asbestos Containing Material Screen	-	TM001					No ACM Detected	
Soil Organic Matter (SOM)	<0.35 %	TM132				1.17 #	3.36 #	2.1 #
pH	1 pH Units	TM133				10.8 M	8.53 M	
Arsenic	<0.6 mg/kg	TM181	75.9 M	11.6 M	15.7 M	15.2 M	19 M	
Cadmium	<0.02 mg/kg	TM181	1.85 M	0.53 M	0.579 M	0.614 M	2.51 M	
Chromium	<0.9 mg/kg	TM181	17.4 M	20.5 M	17.8 M	22.1 M	25.6 M	
Copper	<1.4 mg/kg	TM181	86.8 M	28.9 M	38.8 M	66 M	60.3 M	
Lead	<0.7 mg/kg	TM181	289 M	30.9 M	27.8 M	84.7 M	65.2 M	
Mercury	<0.14 mg/kg	TM181	<0.14 M	0.497 M	0.911 M	0.541 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181	38.3 M	29.1 M	28.6 M	26.7 M	35.2 M	
Selenium	<1 mg/kg	TM181	1.18 #	1.27 #	<1 #	<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181	25.7 #	17.9 #	18 #	30 #	24.5 #	
Zinc	<1.9 mg/kg	TM181	185 M	108 M	122 M	207 M	163 M	

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

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tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	CRUSH33	CRUSH34	CRUSH35	D32	D47	D48
			Depth (m)	.	.	.	0.10	0.30	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511564	2511565	2511566	2511568	2511579	2511584
			AGS Reference	ES	ES	ES	ES	ES	ES
Naphthalene-d8 % recovery**	%	TM218		97.5	92.5	93.2	105	94.9	94.4
Acenaphthene-d10 % recovery**	%	TM218		97.1	89.8	90.1	105	88	99.8
Phenanthrene-d10 % recovery**	%	TM218		95.7	89.4	87.7	97.2	86.3	98.2
Chrysene-d12 % recovery**	%	TM218		94.6	90.2	87	96.2	82.6	97.5
Perylene-d12 % recovery**	%	TM218		102	91.7	88.1	104	77.2	109
Naphthalene	<9 µg/kg	TM218		62.1 M	27.2 M	13.8 M	482 M	261 M	906 M
Acenaphthylene	<12 µg/kg	TM218		13.5 M	<12 M	<12 M	<12 M	<60 M	85.7 M
Acenaphthene	<8 µg/kg	TM218		18.6 M	15.3 M	<8 M	501 M	79.4 M	1110 M
Fluorene	<10 µg/kg	TM218		27.7 M	14.7 M	<10 M	877 M	127 M	2720 M
Phenanthrene	<15 µg/kg	TM218		159 M	132 M	109 M	2100 M	921 M	5960 M
Anthracene	<16 µg/kg	TM218		39.5 M	29.7 M	20.1 M	578 M	146 M	1600 M
Fluoranthene	<17 µg/kg	TM218		132 M	158 M	131 M	1050 M	457 M	1160 M
Pyrene	<15 µg/kg	TM218		103 M	141 M	115 M	2780 M	950 M	3930 M
Benz(a)anthracene	<14 µg/kg	TM218		60.8 M	110 M	83.8 M	603 M	314 M	867 M
Chrysene	<10 µg/kg	TM218		64 M	113 M	111 M	970 M	450 M	2030 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		83.5 M	149 M	135 M	1400 M	488 M	665 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		33.5 M	66.3 M	71.9 M	1230 M	201 M	266 M
Benzo(a)pyrene	<15 µg/kg	TM218		54.8 M	100 M	101 M	731 M	346 M	550 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		37 M	65.8 M	66.3 M	420 M	260 M	306 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		<23 M	27.9 M	27.6 M	161 M	135 M	140 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		43.9 M	87.9 M	88 M	605 M	657 M	450 M
Polyaromatic hydrocarbons, Total	<118 µg/kg	TM218		933 M	1240 M	1070 M	14500 M	5820 M	22700 M

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D48	D49	D49	D50	D51	D52
			Depth (m)	0.80	0.40	0.80	0.30	0.10	0.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511586	2511590	2511594	2511598	2511666	2511667
			AGS Reference	ES	ES	ES	ES	ES	ES
Naphthalene-d8 % recovery**	%	TM218		90.7	98.4	90.2	100	90.9	96.8
Acenaphthene-d10 % recovery**	%	TM218		98.1	98.6	98.6	99.3	90.8	96.6
Phenanthrene-d10 % recovery**	%	TM218		97.4	96.5	93.6	95.5	87.2	98.3
Chrysene-d12 % recovery**	%	TM218		96.8	101	91.7	91.9	84	94.9
Perylene-d12 % recovery**	%	TM218		96.6	108	88.3	99.9	86.4	102
Naphthalene	<9 µg/kg	TM218		624 M	142 M	2690 M	512 M	434 M	92 M
Acenaphthylene	<12 µg/kg	TM218		73.2 M	27.3 M	1450 M	24.2 M	21.2 M	15.2 M
Acenaphthene	<8 µg/kg	TM218		1200 M	173 M	3940 M	206 M	110 M	65.1 M
Fluorene	<10 µg/kg	TM218		3100 M	447 M	12200 M	402 M	342 M	159 M
Phenanthrene	<15 µg/kg	TM218		5670 M	1310 M	34800 M	1320 M	1770 M	1310 M
Anthracene	<16 µg/kg	TM218		1560 M	323 M	5940 M	457 M	271 M	302 M
Fluoranthene	<17 µg/kg	TM218		596 M	1250 M	2900 M	654 M	546 M	1030 M
Pyrene	<15 µg/kg	TM218		2970 M	1540 M	15000 M	1970 M	1670 M	2190 M
Benz(a)anthracene	<14 µg/kg	TM218		346 M	922 M	1610 M	560 M	575 M	1170 M
Chrysene	<10 µg/kg	TM218		504 M	974 M	1840 M	678 M	1100 M	2380 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		402 M	1170 M	1270 M	509 M	676 M	930 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		140 M	437 M	402 M	187 M	180 M	241 M
Benzo(a)pyrene	<15 µg/kg	TM218		284 M	867 M	899 M	501 M	432 M	784 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		167 M	479 M	441 M	304 M	264 M	397 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		88.1 M	192 M	282 M	181 M	221 M	245 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		283 M	695 M	723 M	518 M	431 M	537 M
Polyaromatic hydrocarbons, Total	<118 µg/kg	TM218		18000 M	10900 M	86400 M	8990 M	9050 M	11800 M

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D54	D59	D67	D69	D78	D80
			Depth (m)	0.10	0.10	0.40	1.10	0.10	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	24/11/2010	24/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511671	2511688	2511774	2511786	2511855	2511863
			AGS Reference	ES	ES	ES	ES	ES	ES
Naphthalene-d8 % recovery**	%	TM218		99.6	101	100	89.8	99.8	93.2
Acenaphthene-d10 % recovery**	%	TM218		100	97.6	98.9	88	100	93.3
Phenanthrene-d10 % recovery**	%	TM218		98.8	96.6	99.8	82.4	94.6	93.5
Chrysene-d12 % recovery**	%	TM218		96.2	97.5	96.2	82.5	86.2	99
Perylene-d12 % recovery**	%	TM218		101	81.4	101	81.6	95.3	107
Naphthalene	<9 µg/kg	TM218		154 M	2000 M	175 M	112 M	323 M	367 M
Acenaphthylene	<12 µg/kg	TM218		15.7 M	436 M	14 M	12.1 M	14.9 M	79.6 M
Acenaphthene	<8 µg/kg	TM218		38.2 M	9560 M	<8 M	30.8 M	111 M	48.5 M
Fluorene	<10 µg/kg	TM218		118 M	7030 M	19.1 M	39.9 M	741 M	140 M
Phenanthrene	<15 µg/kg	TM218		1300 M	32700 M	269 M	552 M	4760 M	2410 M
Anthracene	<16 µg/kg	TM218		191 M	6580 M	143 M	77 M	1840 M	324 M
Fluoranthene	<17 µg/kg	TM218		618 M	38500 M	84.7 M	805 M	2530 M	1530 M
Pyrene	<15 µg/kg	TM218		2220 M	30000 M	157 M	910 M	7120 M	1680 M
Benz(a)anthracene	<14 µg/kg	TM218		910 M	19500 M	71.6 M	501 M	3740 M	1220 M
Chrysene	<10 µg/kg	TM218		2250 M	20900 M	139 M	645 M	6420 M	2540 M
Benzo(b)fluoranthene	<15 µg/kg	TM218		1080 M	26700 M	138 M	643 M	1420 M	1920 M
Benzo(k)fluoranthene	<14 µg/kg	TM218		249 M	11500 M	41.1 M	222 M	234 M	437 M
Benzo(a)pyrene	<15 µg/kg	TM218		629 M	21100 M	86.3 M	361 M	969 M	936 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		370 M	13100 M	89.8 M	192 M	349 M	583 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		343 M	4400 M	43 M	91.2 M	446 M	428 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218		525 M	15900 M	137 M	310 M	553 M	794 M
Polyaromatic hydrocarbons, Total	<118 µg/kg	TM218		11000 M	260000 M	1610 M	5500 M	31600 M	15400 M

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D91	TB2				
			Depth (m)	0.20	0.40				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	24/11/2010	24/11/2010				
			Date Received	25/11/2010	25/11/2010				
			SDG Ref	101125-112	101125-112				
			Lab Sample No.(s)	2511880	2511915				
			AGS Reference	ES	ES				
Naphthalene-d8 % recovery**	%	TM218		98.7	96.2				
Acenaphthene-d10 % recovery**	%	TM218		98.5	97.1				
Phenanthrene-d10 % recovery**	%	TM218		96	96.6				
Chrysene-d12 % recovery**	%	TM218		99.3	94.8				
Perylene-d12 % recovery**	%	TM218		104	101				
Naphthalene	<9 µg/kg	TM218		73.4 M	72.4 M				
Acenaphthylene	<12 µg/kg	TM218		23.6 M	44.5 M				
Acenaphthene	<8 µg/kg	TM218		221 M	702 M				
Fluorene	<10 µg/kg	TM218		189 M	588 M				
Phenanthrene	<15 µg/kg	TM218		968 M	2930 M				
Anthracene	<16 µg/kg	TM218		192 M	677 M				
Fluoranthene	<17 µg/kg	TM218		1440 M	4650 M				
Pyrene	<15 µg/kg	TM218		1220 M	3730 M				
Benz(a)anthracene	<14 µg/kg	TM218		872 M	3010 M				
Chrysene	<10 µg/kg	TM218		974 M	2600 M				
Benzo(b)fluoranthene	<15 µg/kg	TM218		1340 M	3600 M				
Benzo(k)fluoranthene	<14 µg/kg	TM218		475 M	1370 M				
Benzo(a)pyrene	<15 µg/kg	TM218		967 M	3150 M				
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		597 M	1680 M				
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		194 M	584 M				
Benzo(g,h,i)perylene	<24 µg/kg	TM218		732 M	1950 M				
Polyaromatic hydrocarbons, Total	<118 µg/kg	TM218		10500 M	31300 M				

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Customer Sample R	D32	D61	D69	TB5		
Depth (m)	1.20	0.30	0.30	0.40		
Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
Date Sampled	23/11/2010	23/11/2010	23/11/2010	24/11/2010		
Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010		
SDG Ref	101125-112	101125-112	101125-112	101125-112		
Lab Sample No.(s)	2511573	2511692	2511783	2511925		
AGS Reference	ES	ES	ES	ES		

Component	LOD/Units	Method						
Phenol	<100 µg/kg	TM157	<100	<100	<100	<100		
Pentachlorophenol	<100 µg/kg	TM157	<100	<100	<100	<100		
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157	<100	<100	<100	<100		
Nitrobenzene	<100 µg/kg	TM157	<100	<100	<100	<100		
Isophorone	<100 µg/kg	TM157	<100	<100	<100	<100		
Hexachloroethane	<100 µg/kg	TM157	<100	<100	<100	<100		
Hexachlorocyclopentadiene	<100 µg/kg	TM157	<100	<100	<100	<100		
Hexachlorobutadiene	<100 µg/kg	TM157	<100	<100	<100	<100		
Hexachlorobenzene	<100 µg/kg	TM157	<100	<100	<100	<100		
n-Dioctyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100		
Dimethyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100		
Diethyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100		
n-Dibutyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100		
Dibenzofuran	<100 µg/kg	TM157	227	6870	<100	<100		
Carbazole	<100 µg/kg	TM157	<100	1050	<100	<100		
Butylbenzyl phthalate	<100 µg/kg	TM157	<100	<100	<100	<100		
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157	<100	<100	<100	<100		
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157	<100	<100	<100	<100		
bis(2-Chloroethyl)ether	<100 µg/kg	TM157	<100	<100	<100	<100		
Azobenzene	<100 µg/kg	TM157	<100	<100	<100	<100		
4-Nitrophenol	<100 µg/kg	TM157	<100	<100	<100	<100		
4-Nitroaniline	<100 µg/kg	TM157	<100	<100	<100	<100		
4-Methylphenol	<100 µg/kg	TM157	<100	<100	<100	<100		
4-Chlorophenylphenylether	<100 µg/kg	TM157	<100	<100	<100	<100		
4-Chloroaniline	<100 µg/kg	TM157	<100	<100	<100	<100		
4-Chloro-3-methylphenol	<100 µg/kg	TM157	<100	<100	<100	<100		
4-Bromophenylphenylether	<100 µg/kg	TM157	<100	<100	<100	<100		
3-Nitroaniline	<100 µg/kg	TM157	<100	<100	<100	<100		
2-Nitrophenol	<100 µg/kg	TM157	317	<100	<100	<100		
2-Nitroaniline	<100 µg/kg	TM157	<100	<100	<100	<100		
2-Methylphenol	<100 µg/kg	TM157	<100	<100	<100	<100		
1,2,4-Trichlorobenzene	<100 µg/kg	TM157	<100	<100	<100	<100		
2-Chlorophenol	<100 µg/kg	TM157	<100	<100	<100	<100		
2,6-Dinitrotoluene	<100 µg/kg	TM157	<100	<100	<100	<100		
2,4-Dinitrotoluene	<100 µg/kg	TM157	<100	<100	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	D32	D61	D69	TB5		
			Depth (m)	1.20	0.30	0.30	0.40		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	24/11/2010		
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010		
			SDG Ref	101125-112	101125-112	101125-112	101125-112		
			Lab Sample No.(s)	2511573	2511692	2511783	2511925		
			AGS Reference	ES	ES	ES	ES		
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100		
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100		
2-Methylnaphthalene	<100 µg/kg	TM157		1430	<100	<100	133		
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100		
Acenaphthene	<100 µg/kg	TM157		527	1450	<100	<100		
Anthracene	<100 µg/kg	TM157		660	9820	<100	<100		
Benzo(a)anthracene	<100 µg/kg	TM157		<100	17500	<100	282		
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	4030	<100	249		
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	1360	<100	231		
Benzo(a)pyrene	<100 µg/kg	TM157		<100	3390	<100	243		
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	898	<100	164		
Chrysene	<100 µg/kg	TM157		<100	36700	154	368		
Fluoranthene	<100 µg/kg	TM157		170	12700	137	462		
Fluorene	<100 µg/kg	TM157		1690	28700	<100	<100		
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	328	<100	140		
Phenanthrene	<100 µg/kg	TM157		931	4560	139	354		
Pyrene	<100 µg/kg	TM157		1470	38200	166	445		
Naphthalene	<100 µg/kg	TM157		390	<100	<100	<100		
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	1130	<100	<100		

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CRUSH33	CRUSH34	CRUSH35	D32	D32	D47
			Depth (m)	.	.	.	0.80	1.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511564	2511565	2511566	2511570	2511573	2511579
			AGS Reference	ES	ES	ES	ES	ES	ES
GRO Surrogate % recovery**	%	TM089		74	99	89	68	38	44
GRO >C5-C12	<44 µg/kg	TM089		548	160	<44	21400	26600	1310
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		10.7 M	5.7 M	2.12 M	8.26 M	<2 M	2.32 M
Ethylbenzene	<3 µg/kg	TM089		3.21 M	3.42 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		10.7 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		3.21 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p,o-Xylene	<10 µg/kg	TM089		13.9	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		27.8	<10	<10	<10	<10	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	11.8	<10	10.4
Aliphatics >C6-C8	<10 µg/kg	TM089		23.5	14.8	<10	232	858	48.7
Aliphatics >C8-C10	<10 µg/kg	TM089		57.7	22.8	<10	3450	7510	184
Aliphatics >C10-C12	<10 µg/kg	TM089		234	51.3	<10	9220	7950	567
Aliphatics >C12-C16	<100 µg/kg	TM173		16300	8780	21200	49100	169000	53500
Aliphatics >C16-C21	<100 µg/kg	TM173		50700	20800	52400	47500	118000	99700
Aliphatics >C21-C35	<100 µg/kg	TM173		71700	65700	158000	102000	25300	113000
Aliphatics >C35-C44	<100 µg/kg	TM173		17900	14500	8890	20000	598	23400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		157000	110000	241000	219000	313000	290000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		10.7	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		54.5	25.1	<10	2300	5010	123
Aromatics >EC10-EC12	<10 µg/kg	TM089		156	34.2	<10	6150	5300	378
Aromatics >EC12-EC16	<100 µg/kg	TM173		9320	5240	12000	56600	189000	32300
Aromatics >EC16-EC21	<100 µg/kg	TM173		31600	7430	17900	54800	199000	76300
Aromatics >EC21-EC35	<100 µg/kg	TM173		72000	32200	58400	127000	83600	304000
Aromatics >EC35-EC44	<100 µg/kg	TM173		25100	18700	17000	54400	14800	148000
Aromatics >EC40-EC44	<100 µg/kg	TM173		11400	7580	7510	19600	5150	49200
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		138000	63600	105000	293000	486000	561000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		295000	174000	346000	533000	825000	852000
Total Aliphatics >C5-35	<100 µg/kg	TM173		139000	95400	232000	212000	328000	267000
Total Aromatics >C5-35	<100 µg/kg	TM173		113000	45000	88400	247000	482000	413000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		252000	140000	321000	458000	810000	681000

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D48	D48	D49	D49	D50	D54
			Depth (m)	0.10	0.80	0.40	0.80	0.30	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511584	2511586	2511590	2511594	2511598	2511669
			AGS Reference	ES	ES	ES	ES	ES	ES
GRO Surrogate % recovery**	%	TM089		48	60	37	14	68	95
GRO >C5-C12	<44 µg/kg	TM089		21700	39200	8570	13200	34400	<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		80.9 M	108 M	28.5 M	29.7 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
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		80.9	108	28.5	29.7	<10	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		34.5	70.8	<10	16.5	47.6	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		939	2440	93.5	634	2510	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		4660	9390	885	3250	9100	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		7710	12500	4180	4250	10000	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		203000	213000	68800	235000	185000	6830
Aliphatics >C16-C21	<100 µg/kg	TM173		124000	156000	51000	426000	191000	6630
Aliphatics >C21-C35	<100 µg/kg	TM173		114000	153000	93900	500000	296000	15800
Aliphatics >C35-C44	<100 µg/kg	TM173		18200	30300	29700	62500	63400	<100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		459000	552000	243000	1220000	735000	29200
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		80.9	108	28.5	29.7	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		3110	6260	589	2170	6070	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		5140	8350	2790	2830	6670	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		138000	258000	30000	588000	190000	19600
Aromatics >EC16-EC21	<100 µg/kg	TM173		144000	229000	31700	698000	337000	6530
Aromatics >EC21-EC35	<100 µg/kg	TM173		201000	246000	103000	626000	619000	23500
Aromatics >EC35-EC44	<100 µg/kg	TM173		62900	70900	50200	112000	215000	15600
Aromatics >EC40-EC44	<100 µg/kg	TM173		24300	26600	20000	35600	74300	5960
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		547000	803000	215000	2020000	1360000	65200
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1030000	1390000	467000	3260000	2130000	94400
Total Aliphatics >C5-35	<100 µg/kg	TM173		454000	546000	219000	1170000	693000	29200
Total Aromatics >C5-35	<100 µg/kg	TM173		492000	747000	168000	1920000	1160000	49600
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		946000	1290000	387000	3090000	1850000	78800

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D55	D59	D61	D62	D66	D67
			Depth (m)	0.10	0.10	0.30	0.10	0.10	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010	23/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511676	2511688	2511692	2511764	2511770	2511774
			AGS Reference	ES	ES	ES	ES	ES	ES
GRO Surrogate % recovery**	%	TM089		71	13	46	73	12	48
GRO >C5-C12	<44 µg/kg	TM089		1110	<44	7910	1680	14200	114
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	16.8 M	<2 M	<2 M	2.36 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
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	16.8	<10	<10	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	10.2	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		10	<10	72	21.8	292	10.6
Aliphatics >C8-C10	<10 µg/kg	TM089		85	<10	1110	202	2550	16.5
Aliphatics >C10-C12	<10 µg/kg	TM089		571	<10	3580	787	5780	41.3
Aliphatics >C12-C16	<100 µg/kg	TM173		65000	9610	184000	51800	225000	48600
Aliphatics >C16-C21	<100 µg/kg	TM173		59400	13900	605000	81200	513000	39800
Aliphatics >C21-C35	<100 µg/kg	TM173		61800	117000	1870000	224000	1340000	92400
Aliphatics >C35-C44	<100 µg/kg	TM173		5180	98700	336000	41900	86100	15100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		191000	239000	2990000	398000	2160000	196000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	16.8	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		58.8	<10	740	136	1700	14.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		381	<10	2390	524	3860	27.1
Aromatics >EC12-EC16	<100 µg/kg	TM173		37900	35400	314000	37300	305000	34300
Aromatics >EC16-EC21	<100 µg/kg	TM173		60200	118000	2020000	164000	480000	18300
Aromatics >EC21-EC35	<100 µg/kg	TM173		154000	367000	3110000	312000	1060000	85100
Aromatics >EC35-EC44	<100 µg/kg	TM173		52900	222000	570000	63100	119000	50100
Aromatics >EC40-EC44	<100 µg/kg	TM173		17700	96300	159000	20300	40300	18900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		305000	744000	6020000	576000	1970000	188000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		497000	982000	9020000	976000	4150000	384000
Total Aliphatics >C5-35	<100 µg/kg	TM173		187000	140000	2660000	358000	2080000	181000
Total Aromatics >C5-35	<100 µg/kg	TM173		252000	521000	5450000	514000	1860000	138000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		439000	661000	8110000	871000	3940000	319000

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D69	D69	D91	TB2	TB5	TB5
			Depth (m)	0.30	1.10	0.20	0.40	0.40	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/11/2010	23/11/2010	24/11/2010	24/11/2010	24/11/2010	24/11/2010
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010	25/11/2010
			SDG Ref	101125-112	101125-112	101125-112	101125-112	101125-112	101125-112
			Lab Sample No.(s)	2511783	2511786	2511880	2511915	2511925	2511928
			AGS Reference	ES	ES	ES	ES	ES	ES
GRO Surrogate % recovery**	%	TM089		70	55	65	67	51	99 M
GRO >C5-C12	<44 µg/kg	TM089		2900	12000	15600	2010	9460	1560000 M
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<100 M
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<10 M	977 M
Toluene	<2 µg/kg	TM089		14.5 M	7.91 M	32.8 M	22.2 M	90.9 M	301000 M
Ethylbenzene	<3 µg/kg	TM089		3.63 M	<3 M	<3 M	<3 M	<3 M	10900 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	35000 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	16700 M
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	51800 M
BTEX, Total	<10 µg/kg	TM089		18.2	<10	32.8	22.2	90.9	365000 M
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	<10	16700 M
Aliphatics >C6-C8	<10 µg/kg	TM089		82.3	36.2	242	26.6	141	103000 M
Aliphatics >C8-C10	<10 µg/kg	TM089		296	532	2940	167	1760	317000 M
Aliphatics >C10-C12	<10 µg/kg	TM089		1380	6650	6230	1000	3770	326000 M
Aliphatics >C12-C16	<100 µg/kg	TM173		121000	47600	11000	17400	53000	643000
Aliphatics >C16-C21	<100 µg/kg	TM173		24000	46900	11300	26500	38700	346000
Aliphatics >C21-C35	<100 µg/kg	TM173		42300	92700	31500	73900	107000	217000
Aliphatics >C35-C44	<100 µg/kg	TM173		11700	22700	11500	11400	25000	42200
Total Aliphatics >C12-C44	<100 µg/kg	TM173		199000	210000	65400	129000	224000	1250000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	977 M
Aromatics >EC7-EC8	<10 µg/kg	TM089		14.5	<10	32.8	22.2	90.9	301000 M
Aromatics >EC8-EC10	<10 µg/kg	TM089		203	355	1960	114	1180	274000 M
Aromatics >EC10-EC12	<10 µg/kg	TM089		921	4440	4150	669	2510	217000 M
Aromatics >EC12-EC16	<100 µg/kg	TM173		27100	26100	8510	15700	25400	462000
Aromatics >EC16-EC21	<100 µg/kg	TM173		16800	45300	8710	22000	25800	321000
Aromatics >EC21-EC35	<100 µg/kg	TM173		51500	165000	34100	62700	89900	207000
Aromatics >EC35-EC44	<100 µg/kg	TM173		24000	57900	17500	18800	38700	51200
Aromatics >EC40-EC44	<100 µg/kg	TM173		9880	21200	6900	7370	15700	19800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		119000	294000	68800	119000	180000	1040000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		321000	516000	150000	250000	413000	3850000
Total Aliphatics >C5-35	<100 µg/kg	TM173		189000	194000	63300	119000	205000	1970000
Total Aromatics >C5-35	<100 µg/kg	TM173		96500	241000	57400	101000	145000	1780000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		285000	436000	121000	220000	349000	3750000

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D32	D61	D69	TB5		
			Depth (m)	1.20	0.30	0.30	0.40		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	24/11/2010		
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010		
			SDG Ref	101125-112	101125-112	101125-112	101125-112		
			Lab Sample No.(s)	2511573	2511692	2511783	2511925		
			AGS Reference	ES	ES	ES	ES		
Dibromofluoromethane**	%	TM116		108	105	109	95.8		
Toluene-d8**	%	TM116		91.3	101	101	96.1		
4-Bromofluorobenzene**	%	TM116		151	132	134	146		
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<8 M	<4 M	<4 M		
Chloromethane	<7 µg/kg	TM116		<7 #	<14 #	<7 #	<7 #		
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<20 #	<10 #	<10 #		
Bromomethane	<13 µg/kg	TM116		<13 M	<26 M	<13 M	<13 M		
Chloroethane	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<14 M		
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<12 M	<6 M	<6 M		
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<20 #	<10 #	<10 #		
Carbon Disulphide	<7 µg/kg	TM116		45.1 M	16.9 M	24.6 M	13.5 M		
Dichloromethane	<10 µg/kg	TM116		<10 #	<20 #	<10 #	51.5 #		
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<11 M		
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<11 M		
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<16 M	<8 M	<8 M		
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<5 M		
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<12 M		
Bromochloromethane	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<14 M		
Chloroform	<8 µg/kg	TM116		<8 M	<16 M	<8 M	11.4 M		
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<14 M	<7 M	<7 M		
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<11 M		
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<14 M		
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<10 M	<5 M	90.5 M		
Benzene	<9 µg/kg	TM116		16.9 M	<18 M	<9 M	<9 M		
Trichloroethene	<9 µg/kg	TM116		<9 M	<18 M	<9 M	19.6 M		
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<12 M		
Dibromomethane	<9 µg/kg	TM116		<9 M	<18 M	<9 M	<9 M		
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<14 M	<7 M	<7 M		
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<14 M		
Toluene	<5 µg/kg	TM116		7.75 M	<10 M	9.03 M	224 M		
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<28	<14	<14		
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<10 M		
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<14 #	<7 #	<7 #		
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<5 M		
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<26 M	<13 M	<13 M		

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	D32	D61	D69	TB5		
			Depth (m)	1.20	0.30	0.30	0.40		
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid		
			Date Sampled	23/11/2010	23/11/2010	23/11/2010	24/11/2010		
			Date Received	25/11/2010	25/11/2010	25/11/2010	25/11/2010		
			SDG Ref	101125-112	101125-112	101125-112	101125-112		
			Lab Sample No.(s)	2511573	2511692	2511783	2511925		
			AGS Reference	ES	ES	ES	ES		
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<12 M		
Chlorobenzene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<5 M		
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<10 M		
Ethylbenzene	<4 µg/kg	TM116		<4 M	<8 M	<4 M	<4 M		
p/m-Xylene	<14 µg/kg	TM116		<14 #	<28 #	<14 #	<14 #		
o-Xylene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<10 M		
Styrene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<10 M		
Bromoform	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<10 M		
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<5 M		
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<20 #	<10 #	<10 #		
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<34 M	<17 M	<17 M		
Bromobenzene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<10 M		
Propylbenzene	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<11 M		
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<18 M	<9 M	<9 M		
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<16 #	<8 #	<8 #		
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<12 M		
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<24 #	<12 #	<12 #		
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<18 #	<9 #	37.7 #		
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<10 M		
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<11 M		
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<12 M	<6 M	<6 M		
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<5 M		
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<10 M		
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<12 M		
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<14 M		
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<30	<15	<15		
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<12 #	<6 #	<6 #		
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<24	<12	<12		
Naphthalene	<13 µg/kg	TM116		<13 M	<26 M	<13 M	<13 M		
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<12 M	<6 M	<6 M		

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Asbestos Identification

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	D68 ES Z SOLID 23/11/2010 00:00:00 26/11/2010 09:30:47 101125-112 2,511,777 TM048	02/12/2010	Paul Poynton	Typical of asbestos cement	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

REPORT KEY

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

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

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	2511564	2511565	2511566	2511568	2511570	2511573	2511579	2511584	2511586	2511589
Customer Sample Ref.	CRUSH33	CRUSH34	CRUSH35	D32	D32	D32	D47	D48	D48	D49
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Depth				0.10	0.80	1.20	0.30	0.10	0.80	0.10
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Containing Material Screen	02-Dec-2010	02-Dec-2010	02-Dec-2010	02-Dec-2010			02-Dec-2010			02-Dec-2010
EPH CWG (Aliphatic) GC (S)	05-Dec-2010	06-Dec-2010	05-Dec-2010		04-Dec-2010	04-Dec-2010	06-Dec-2010	07-Dec-2010	04-Dec-2010	
EPH CWG (Aromatic) GC (S)	05-Dec-2010	06-Dec-2010	05-Dec-2010		04-Dec-2010	04-Dec-2010	06-Dec-2010	07-Dec-2010	04-Dec-2010	
GRO by GC-FID (S)	06-Dec-2010	06-Dec-2010	06-Dec-2010		06-Dec-2010	06-Dec-2010	06-Dec-2010	07-Dec-2010	06-Dec-2010	
Metals by iCap-OES (Soil)	07-Dec-2010	08-Dec-2010	07-Dec-2010	07-Dec-2010	07-Dec-2010		08-Dec-2010	07-Dec-2010	07-Dec-2010	
PAH by GCMS	03-Dec-2010	04-Dec-2010	04-Dec-2010	03-Dec-2010			04-Dec-2010	04-Dec-2010	05-Dec-2010	
pH	06-Dec-2010	06-Dec-2010	06-Dec-2010					06-Dec-2010		
Sample description	02-Dec-2010	02-Dec-2010	02-Dec-2010	02-Dec-2010	01-Dec-2010	01-Dec-2010	02-Dec-2010	02-Dec-2010	01-Dec-2010	
Semi Volatile Organic Compounds						06-Dec-2010				
TPH CWG GC (S)	06-Dec-2010	06-Dec-2010	06-Dec-2010		06-Dec-2010	06-Dec-2010	06-Dec-2010	07-Dec-2010	06-Dec-2010	
VOC MS (S)						09-Dec-2010				

Lab Sample No(s)	2511590	2511594	2511597	2511598	2511666	2511667	2511669	2511671	2511676	2511688
Customer Sample Ref.	D49	D49	D50	D50	D51	D52	D54	D54	D55	D59
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Depth	0.40	0.80	0.10	0.30	0.10	0.10	0.70	0.10	0.10	0.10
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Containing Material Screen			02-Dec-2010		02-Dec-2010					
EPH CWG (Aliphatic) GC (S)	08-Dec-2010	06-Dec-2010		04-Dec-2010			04-Dec-2010		04-Dec-2010	04-Dec-2010
EPH CWG (Aromatic) GC (S)	08-Dec-2010	06-Dec-2010		04-Dec-2010			04-Dec-2010		04-Dec-2010	04-Dec-2010
GRO by GC-FID (S)	07-Dec-2010	07-Dec-2010		06-Dec-2010			06-Dec-2010		06-Dec-2010	06-Dec-2010
Metals by iCap-OES (Soil)	07-Dec-2010	07-Dec-2010		07-Dec-2010	07-Dec-2010	03-Dec-2010		07-Dec-2010		07-Dec-2010
PAH by GCMS	04-Dec-2010	04-Dec-2010		03-Dec-2010	04-Dec-2010	03-Dec-2010		03-Dec-2010		03-Dec-2010
pH		06-Dec-2010		03-Dec-2010	03-Dec-2010			06-Dec-2010		03-Dec-2010
Sample description	02-Dec-2010	01-Dec-2010		01-Dec-2010	02-Dec-2010	01-Dec-2010	01-Dec-2010	01-Dec-2010	01-Dec-2010	01-Dec-2010
TPH CWG GC (S)	08-Dec-2010	07-Dec-2010		06-Dec-2010			06-Dec-2010		06-Dec-2010	06-Dec-2010

Lab Sample No(s)	2511692	2511764	2511768	2511770	2511774	2511777	2511783	2511786	2511855	2511863
Customer Sample Ref.	D61	D62	D64	D66	D67	D68	D69	D69	D78	D80
AGS Ref.	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Depth	0.30	0.10	0.10	0.10	0.40		0.30	1.10	0.10	0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos Containing Material Screen			02-Dec-2010			01-Dec-2010	02-Dec-2010		02-Dec-2010	
Asbestos Identification						02-Dec-2010				
EPH CWG (Aliphatic) GC (S)	06-Dec-2010	04-Dec-2010		04-Dec-2010	04-Dec-2010		05-Dec-2010	04-Dec-2010		
EPH CWG (Aromatic) GC (S)	06-Dec-2010	04-Dec-2010		04-Dec-2010	04-Dec-2010		05-Dec-2010	04-Dec-2010		
GRO by GC-FID (S)	06-Dec-2010	06-Dec-2010		06-Dec-2010	06-Dec-2010		06-Dec-2010	06-Dec-2010		
Metals by iCap-OES (Soil)	07-Dec-2010				07-Dec-2010		07-Dec-2010	07-Dec-2010	07-Dec-2010	07-Dec-2010
PAH by GCMS					03-Dec-2010			04-Dec-2010	03-Dec-2010	06-Dec-2010
pH	06-Dec-2010				06-Dec-2010		03-Dec-2010			
Sample description	01-Dec-2010	01-Dec-2010		01-Dec-2010	01-Dec-2010		02-Dec-2010	01-Dec-2010	02-Dec-2010	01-Dec-2010
Semi Volatile Organic Compounds	06-Dec-2010						06-Dec-2010			
Total Organic Carbon	03-Dec-2010									
TPH CWG GC (S)	06-Dec-2010	06-Dec-2010		06-Dec-2010	06-Dec-2010		06-Dec-2010	06-Dec-2010		
VOC MS (S)	13-Dec-2010						10-Dec-2010			

Lab Sample No(s)	2511880	2511915	2511925	2511928
Customer Sample Ref.	D91	TB2	TB5	TB5
AGS Ref.	ES	ES	ES	ES
Depth	0.20	0.40	0.40	1.20
Type	SOLID	SOLID	SOLID	SOLID
Asbestos Containing Material Screen			02-Dec-2010	
EPH CWG (Aliphatic) GC (S)	08-Dec-2010	04-Dec-2010	08-Dec-2010	08-Dec-2010
EPH CWG (Aromatic) GC (S)	08-Dec-2010	04-Dec-2010	08-Dec-2010	08-Dec-2010
GRO by GC-FID (S)	06-Dec-2010	07-Dec-2010	07-Dec-2010	08-Dec-2010
Metals by iCap-OES (Soil)	07-Dec-2010	07-Dec-2010	07-Dec-2010	07-Dec-2010
PAH by GCMS	04-Dec-2010	03-Dec-2010		
pH		06-Dec-2010	03-Dec-2010	
Sample description	01-Dec-2010	01-Dec-2010	02-Dec-2010	02-Dec-2010
Semi Volatile Organic Compounds			06-Dec-2010	
Total Organic Carbon		03-Dec-2010	08-Dec-2010	08-Dec-2010
TPH CWG GC (S)	08-Dec-2010	07-Dec-2010	08-Dec-2010	08-Dec-2010
VOC MS (S)			10-Dec-2010	

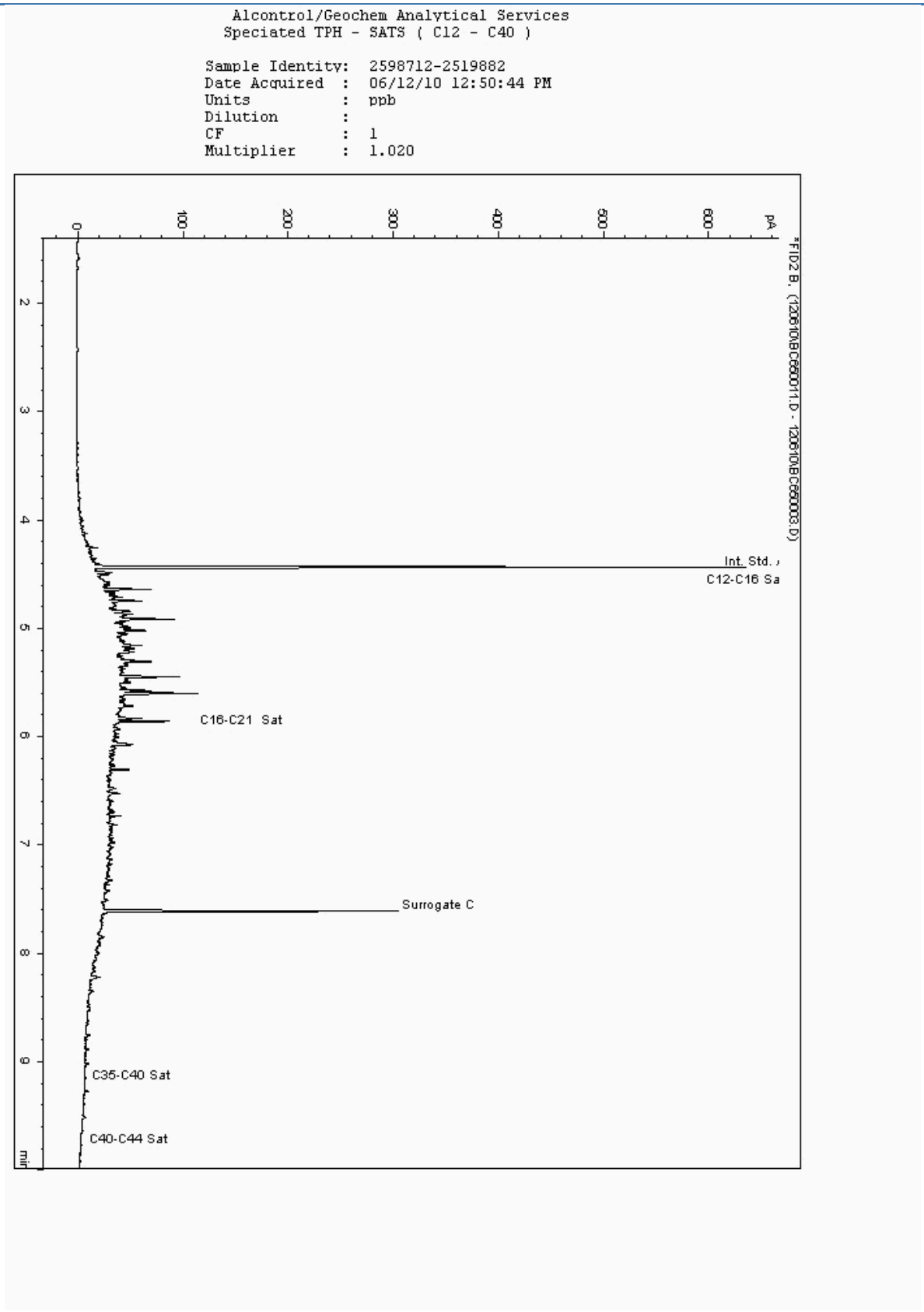
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2519882 **Depth :** 0.80

Sample ID : D49



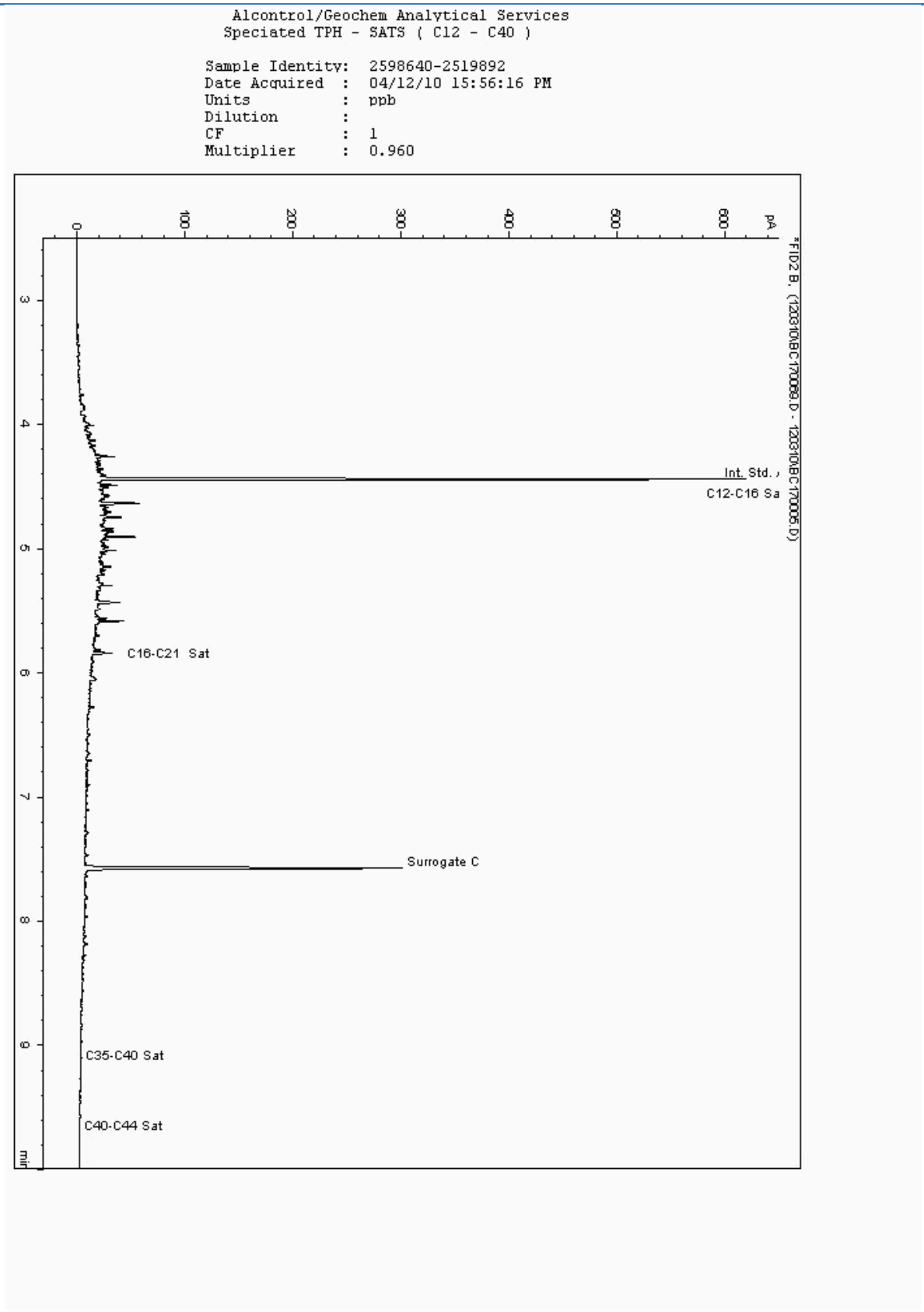
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2519892 **Depth :** 0.80

Sample ID : D48



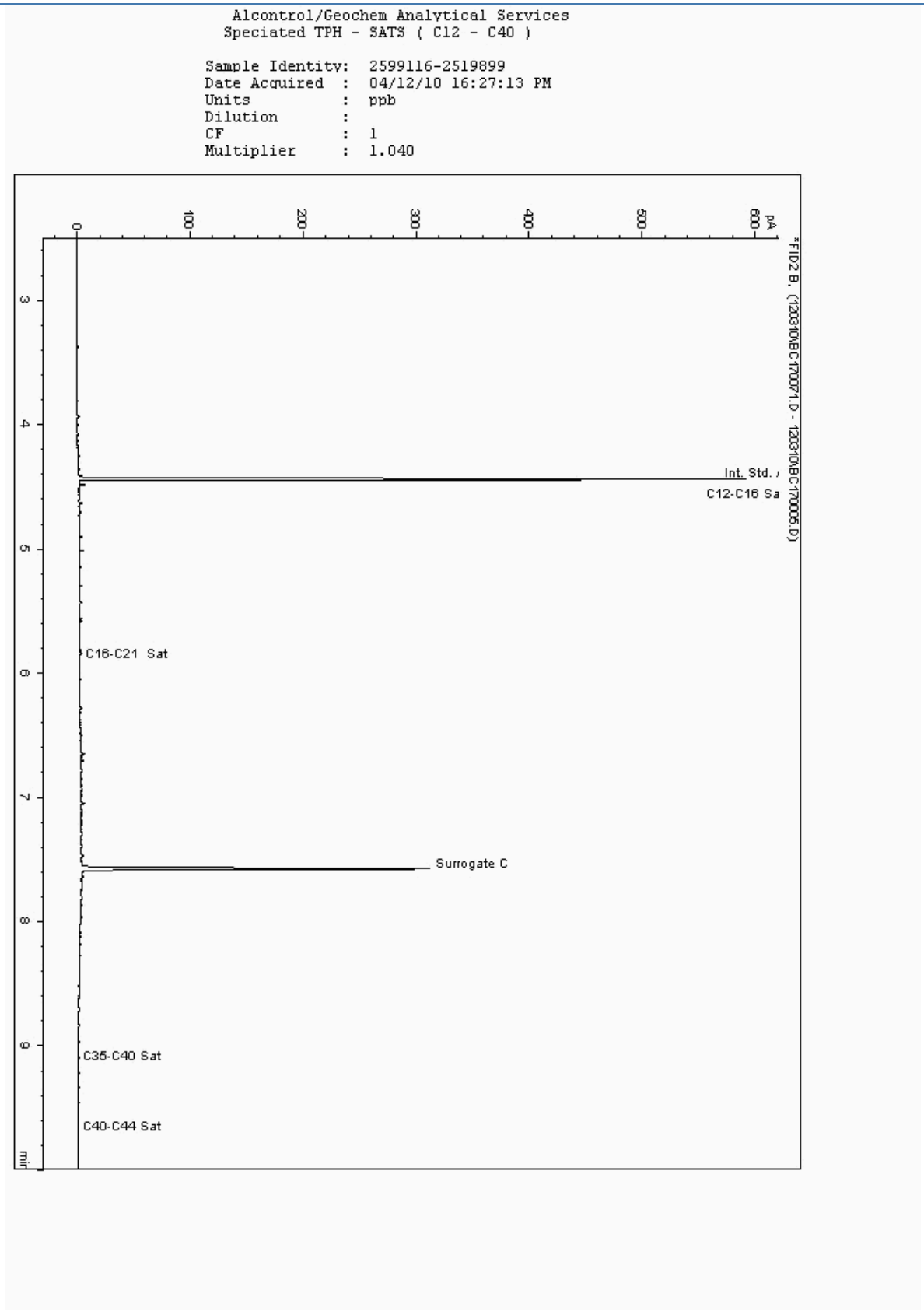
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2519899 **Depth :** 0.40

Sample ID : TB2

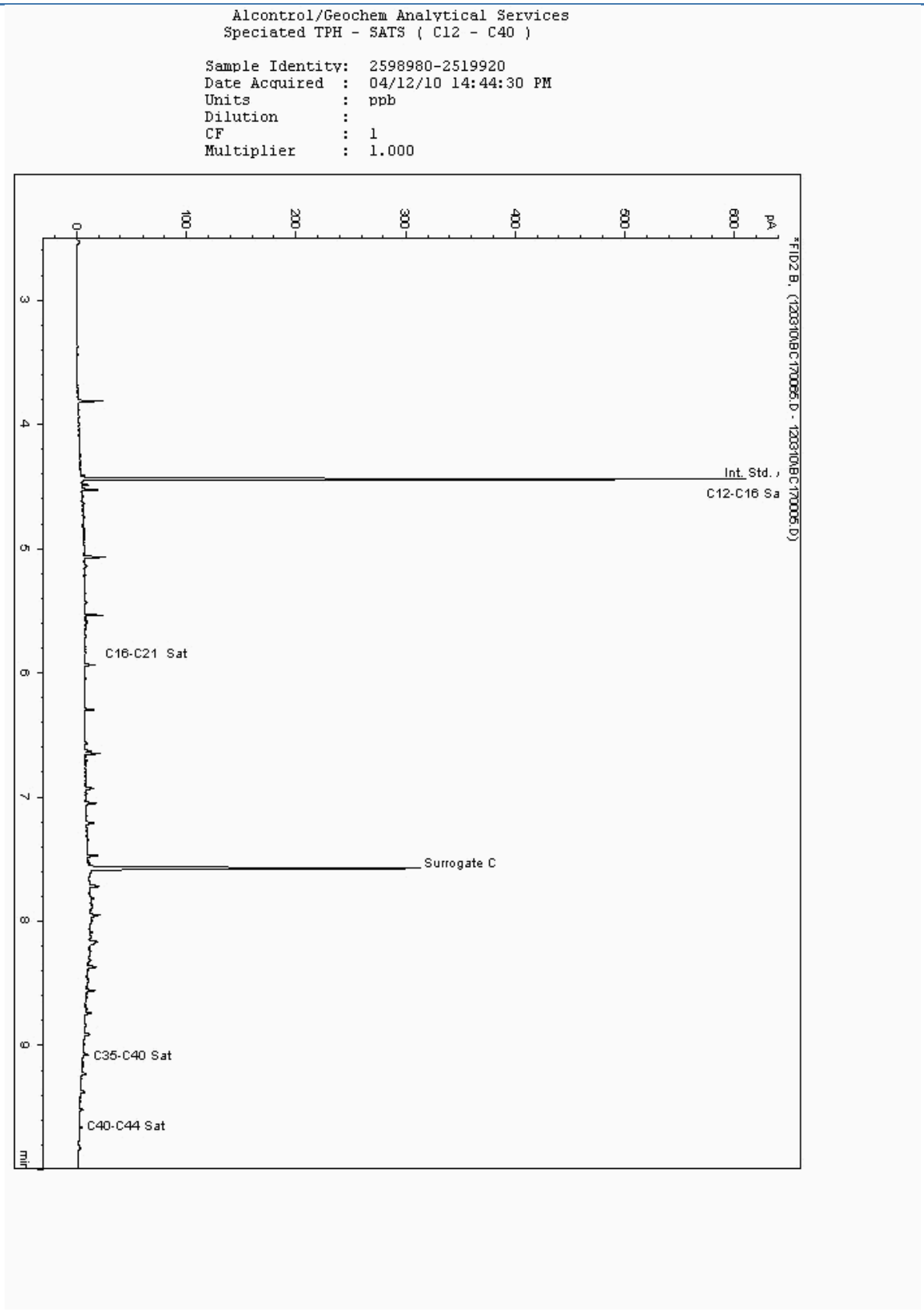


CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2519920 **Depth :** 0.10
Sample ID : D62



CERTIFICATE OF ANALYSIS

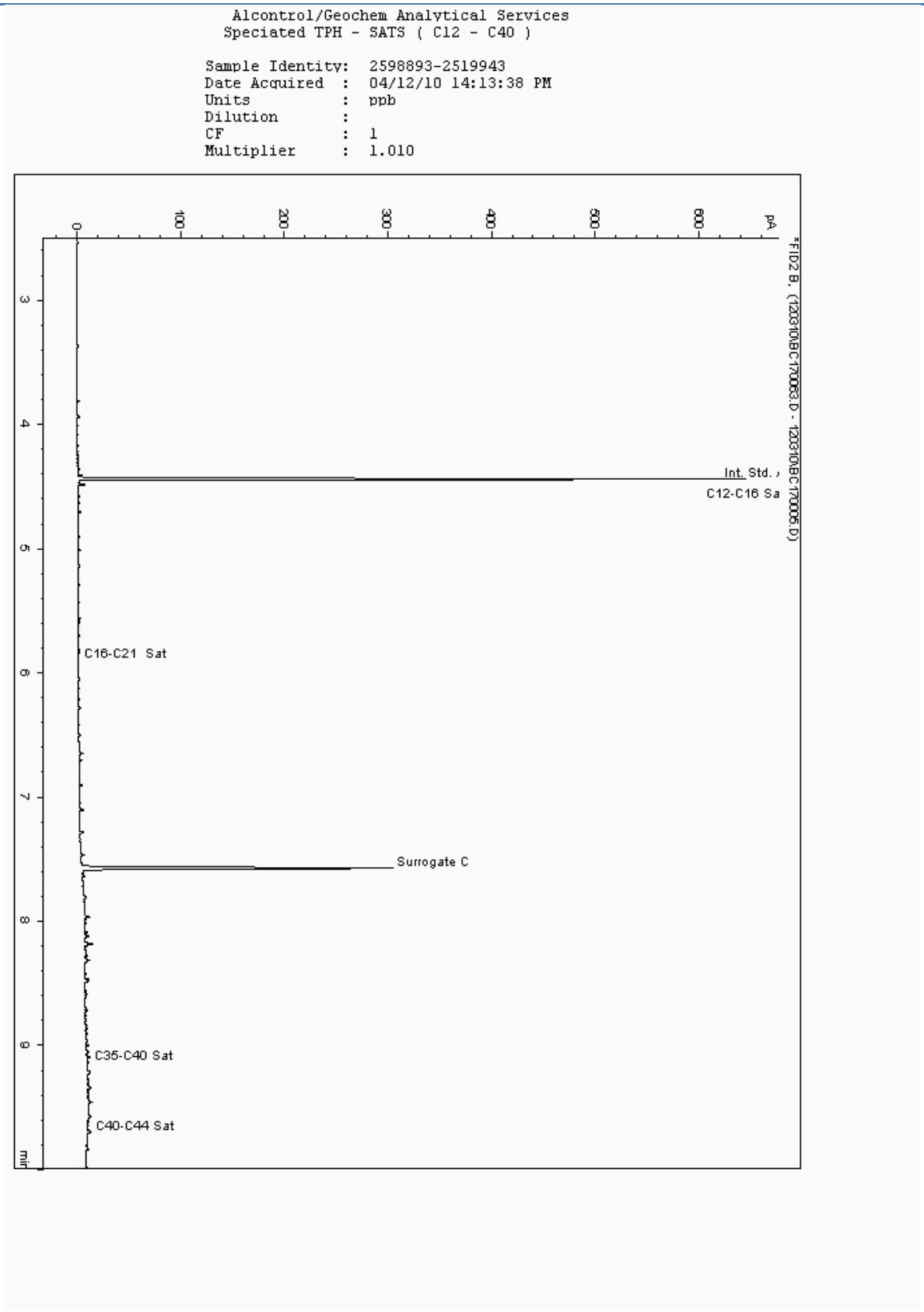
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2519943
Sample ID : D59

Depth : 0.10



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

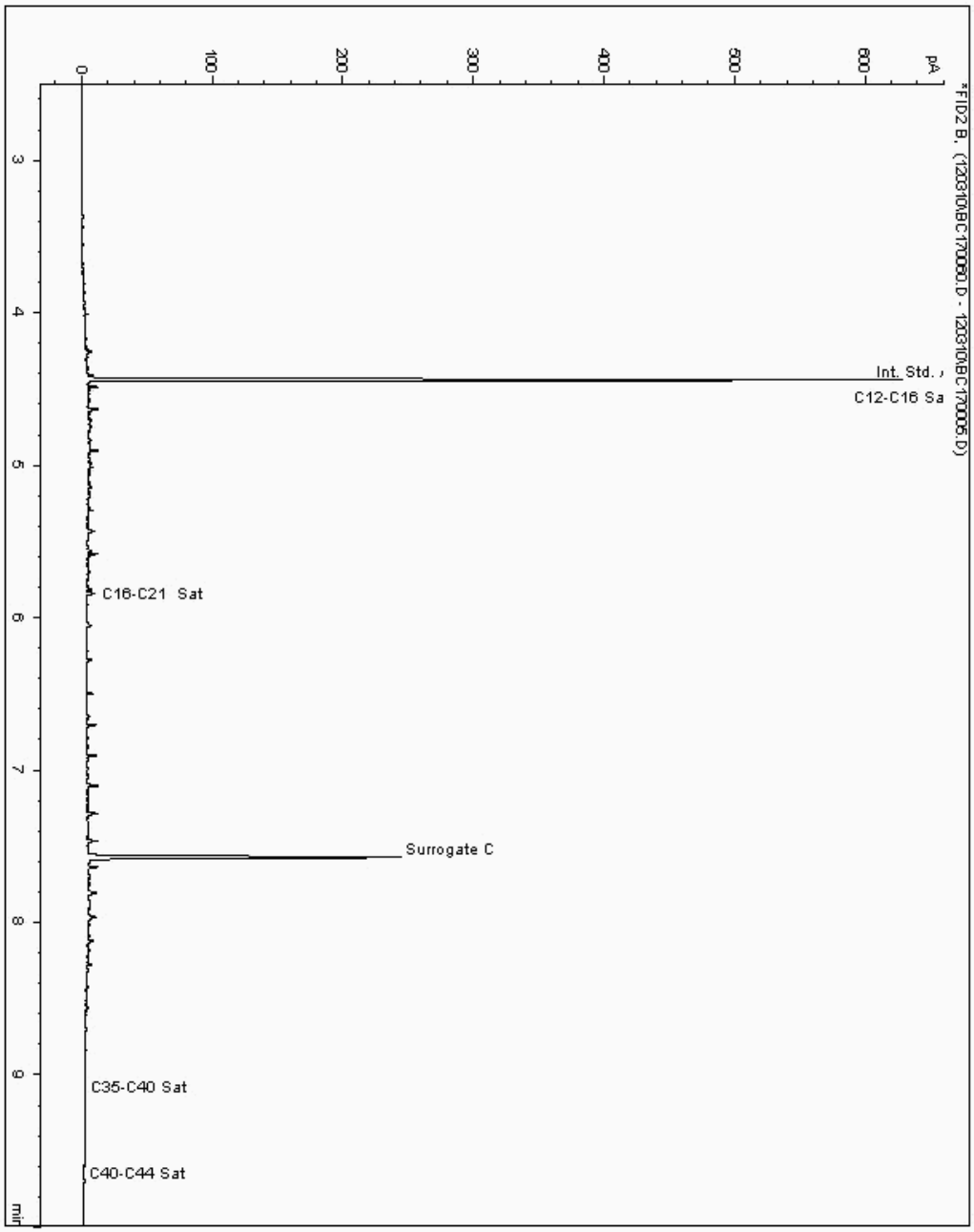
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2519964 **Depth :** 0.80

Sample ID : D32

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

Sample Identity: 2598480-2519964
Date Acquired : 04/12/10 13:22:10 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.040

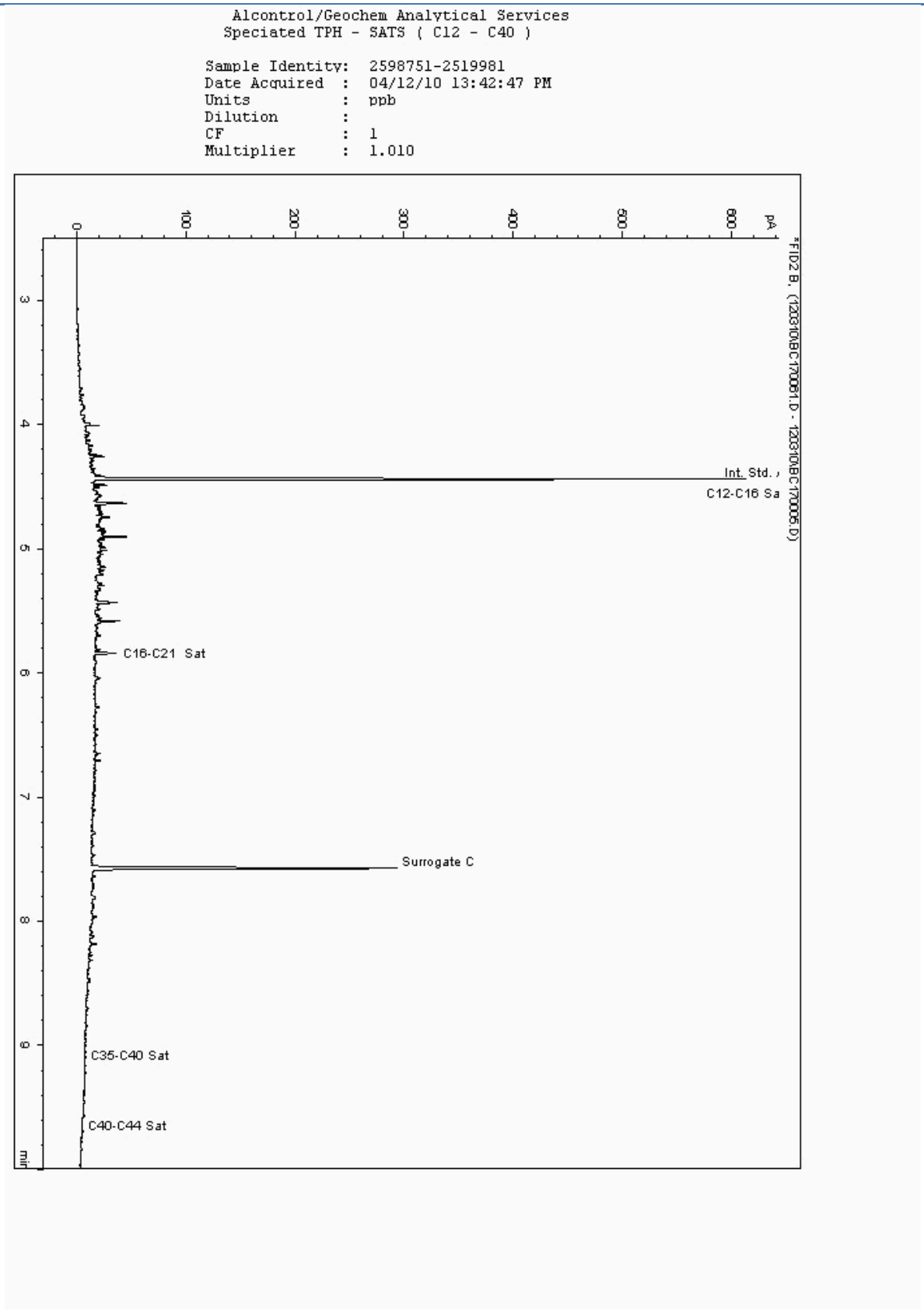


CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2519981 **Depth :** 0.30
Sample ID : D50



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

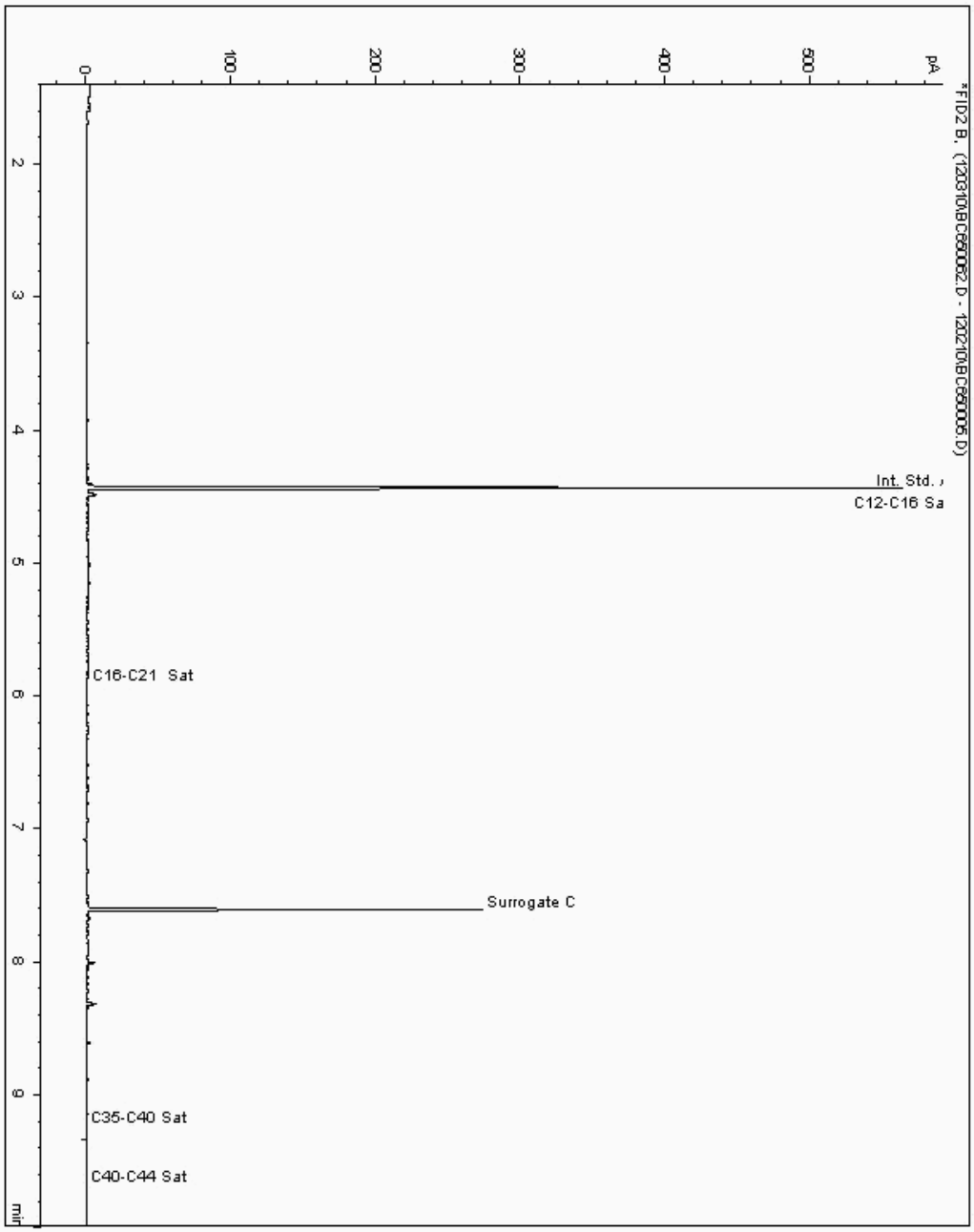
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2522729 **Depth :** 0.70

Sample ID : D54

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

Sample Identity: 2598831-2522729
Date Acquired : 04/12/10 10:09:15 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.020

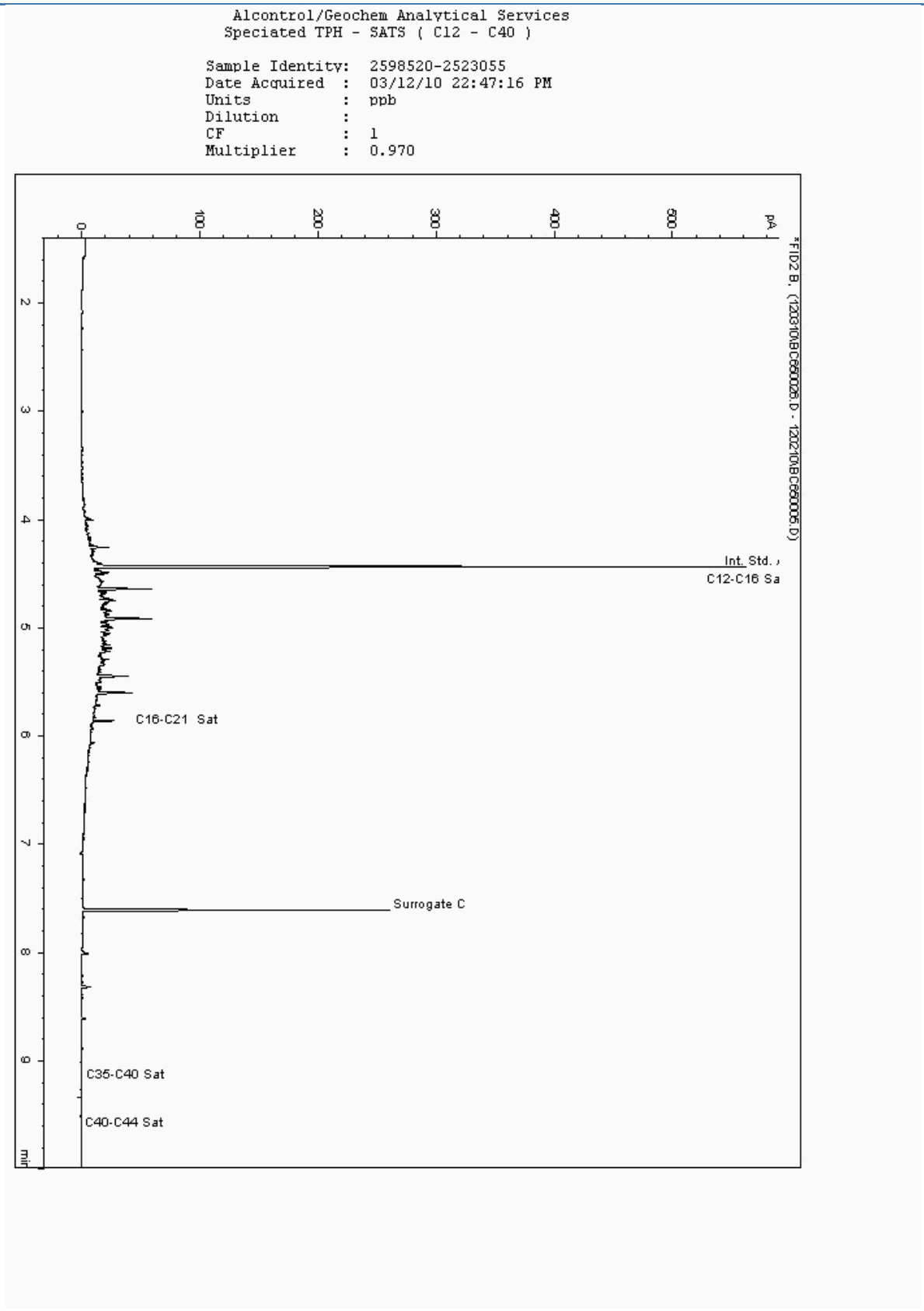


CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2523055 **Depth :** 1.20
Sample ID : D32



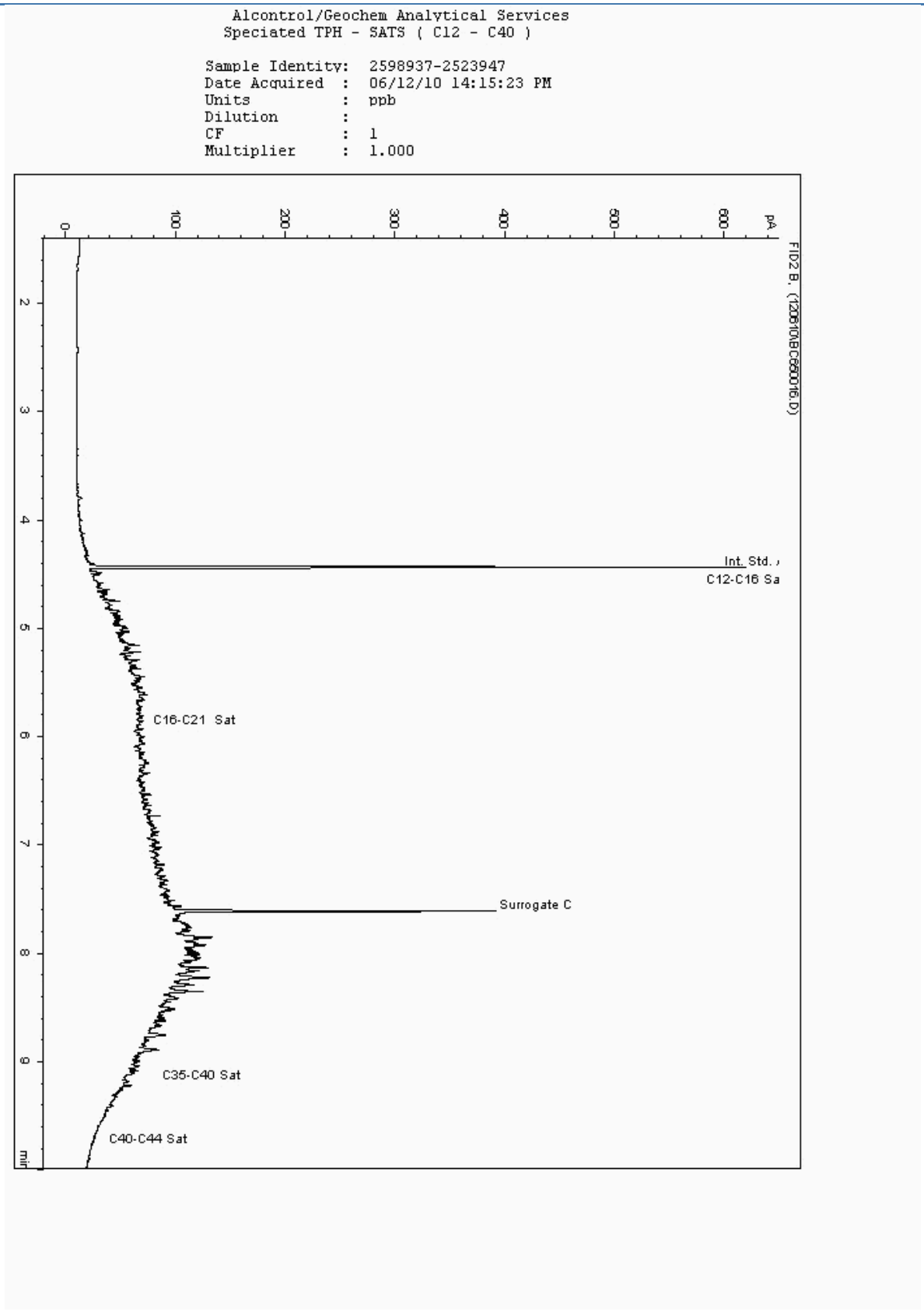
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2523947 **Depth :** 0.30

Sample ID : D61



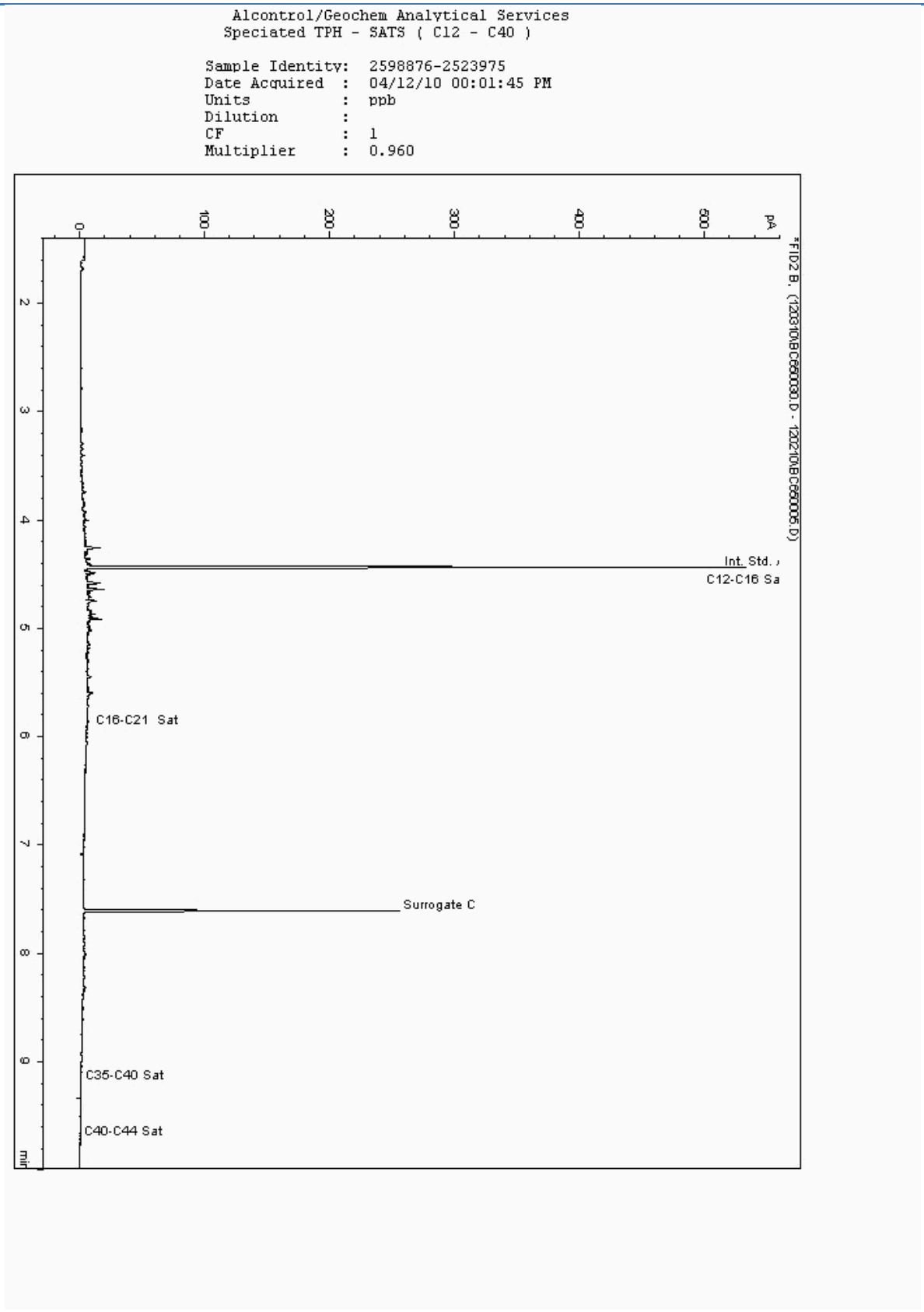
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2523975 **Depth :** 0.10

Sample ID : D55

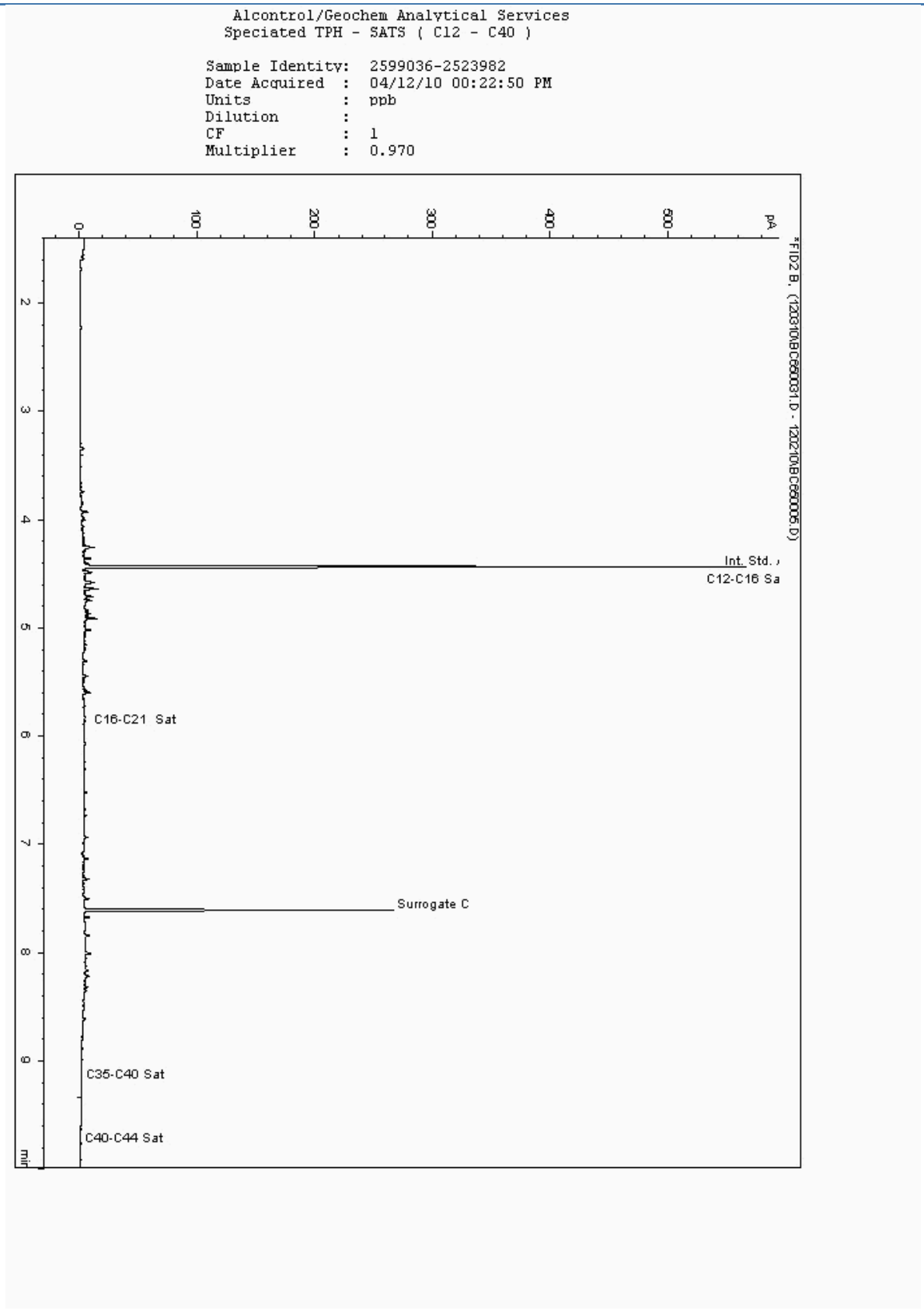


CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2523982 **Depth :** 0.40
Sample ID : D67



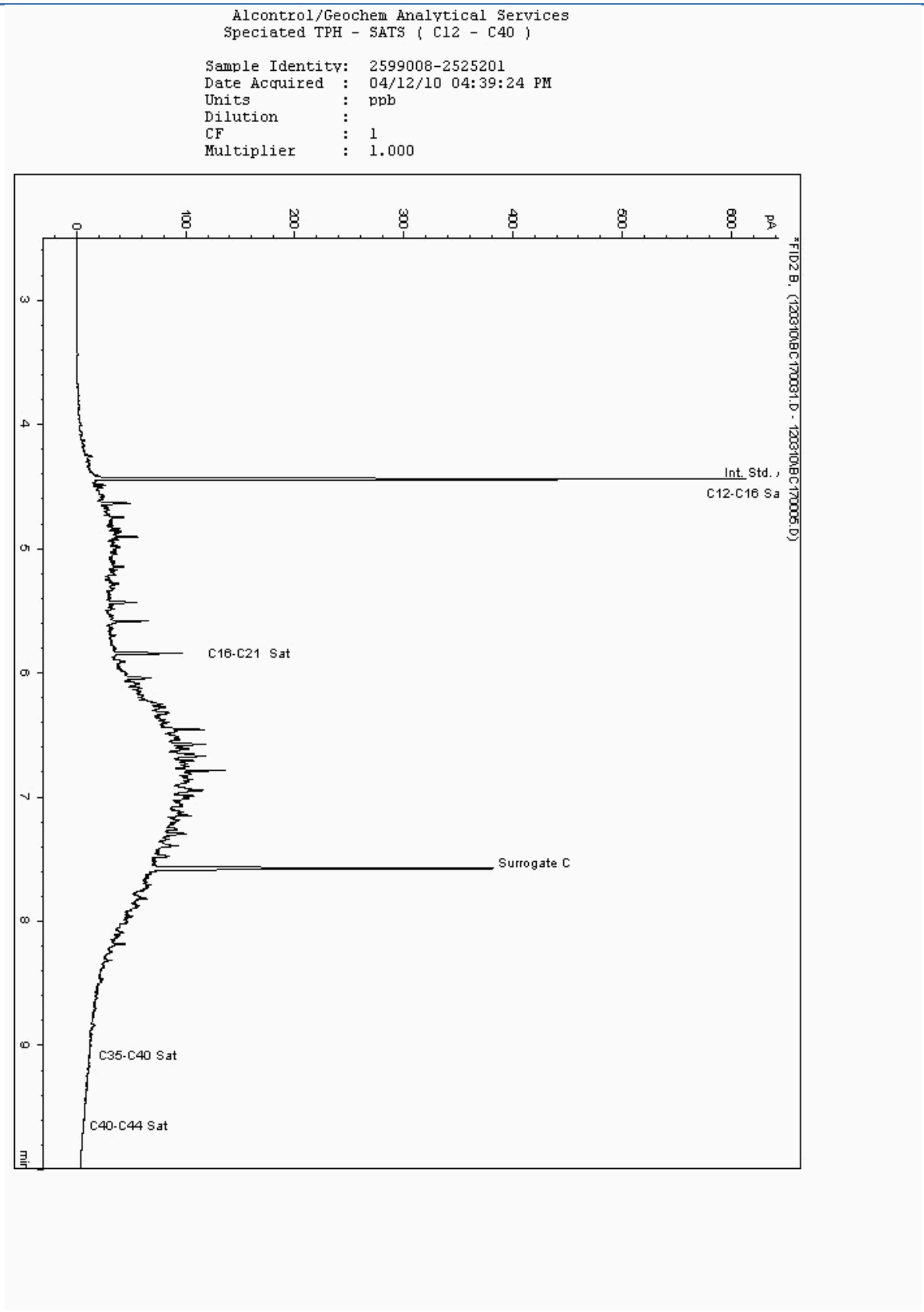
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2525201 **Depth :** 0.10

Sample ID : D66

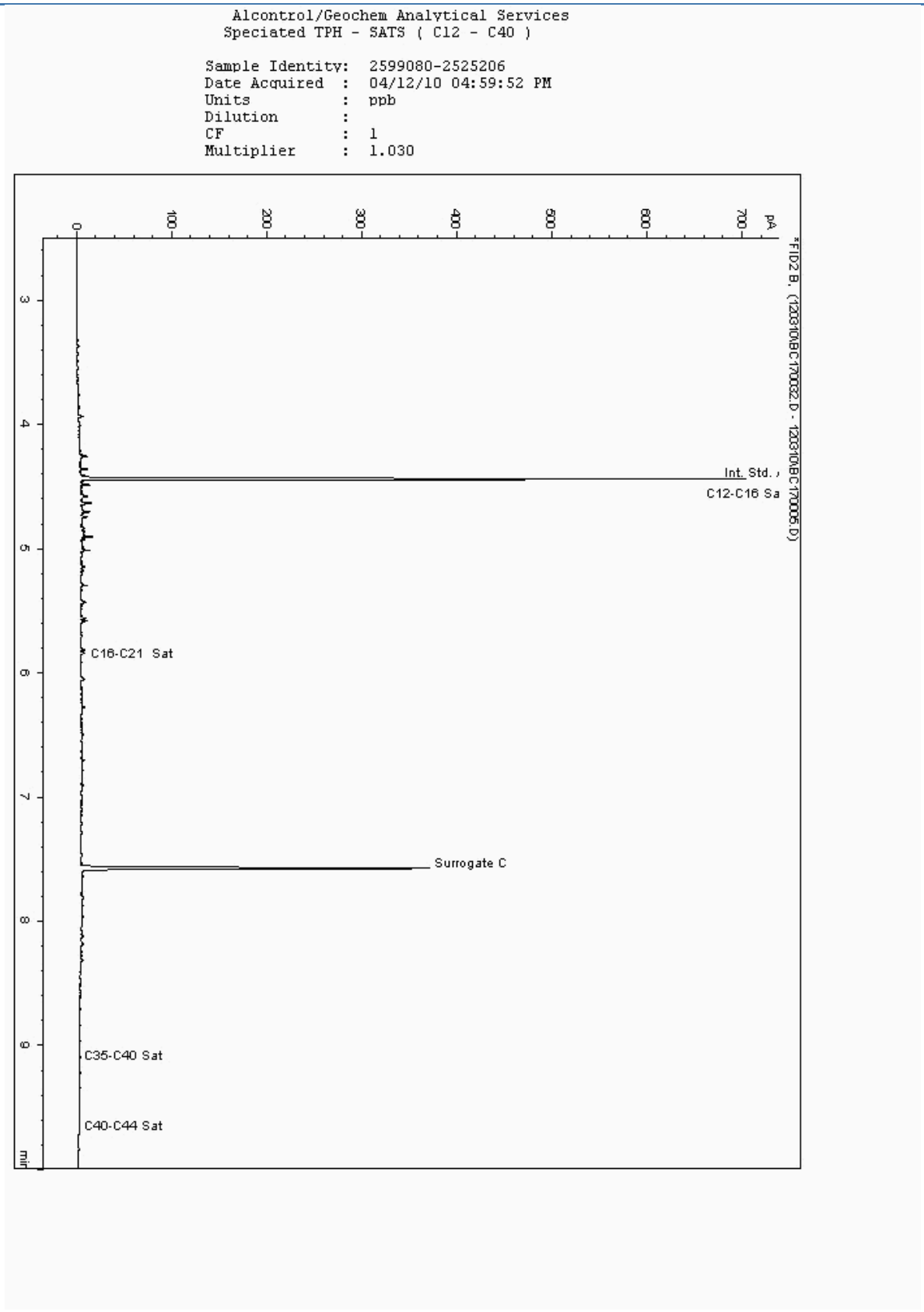


CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2525206 **Depth :** 1.10
Sample ID : D69



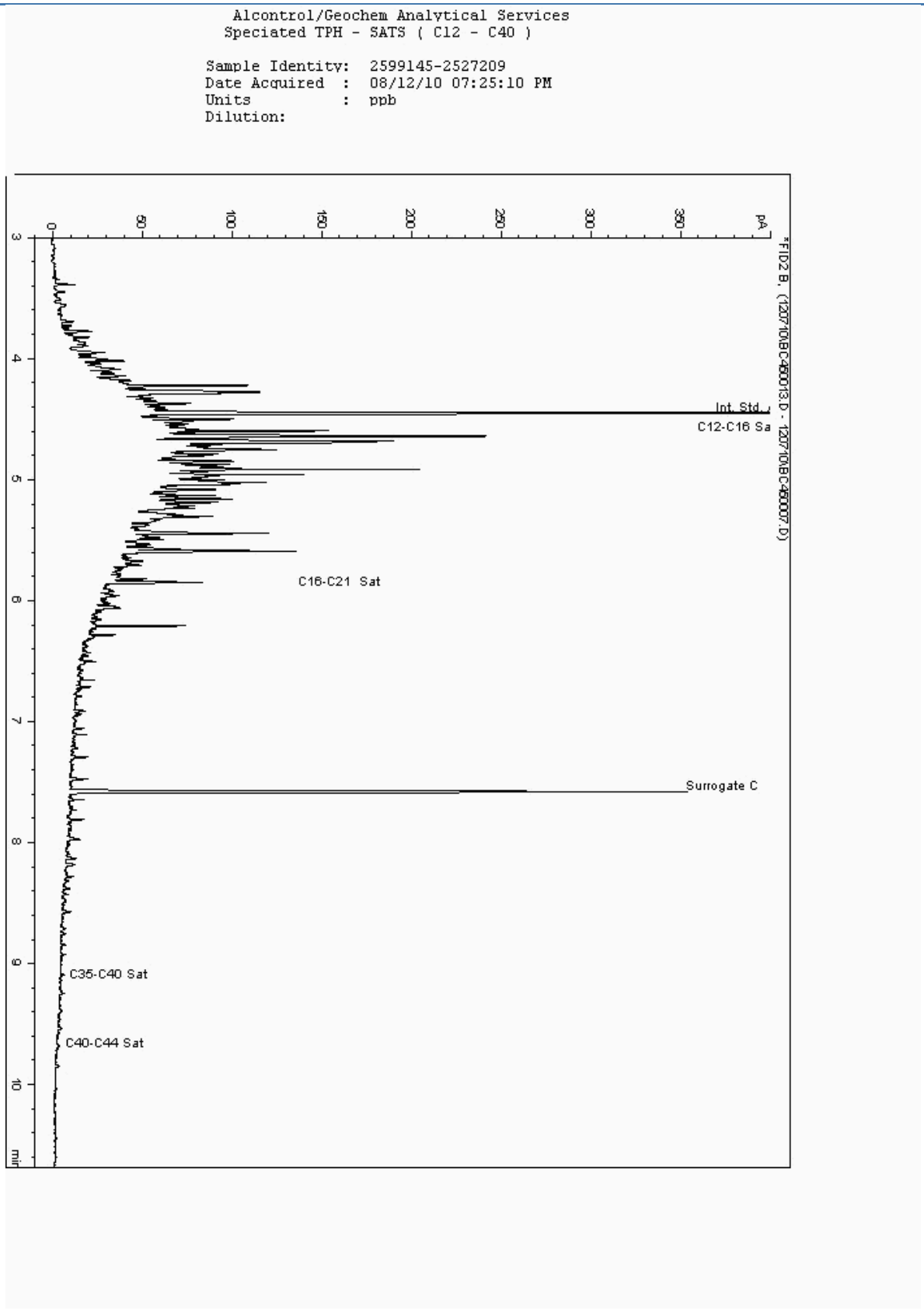
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2527209 **Depth :** 1.20

Sample ID : TB5



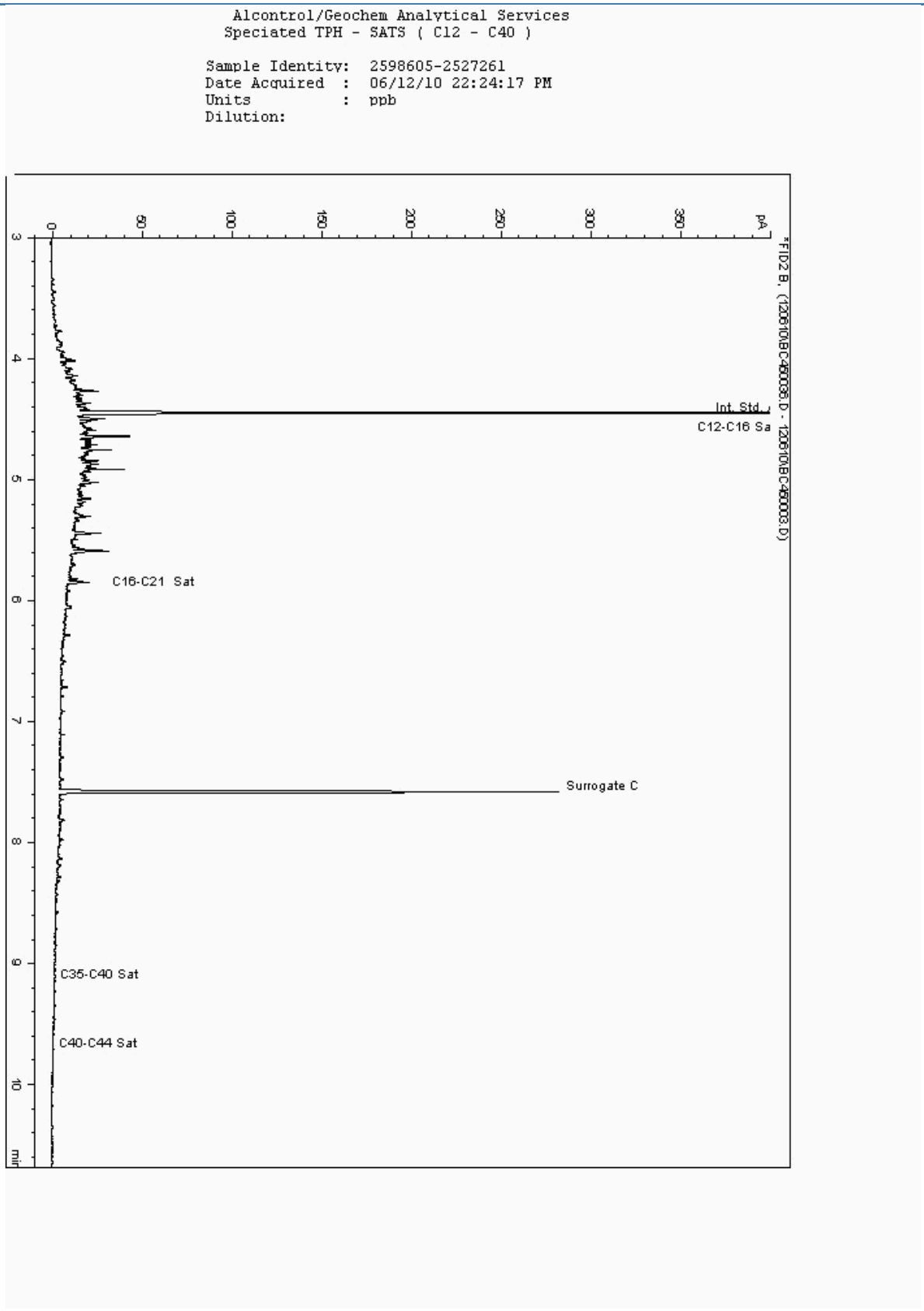
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2527261 **Depth :** 0.10

Sample ID : D48



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

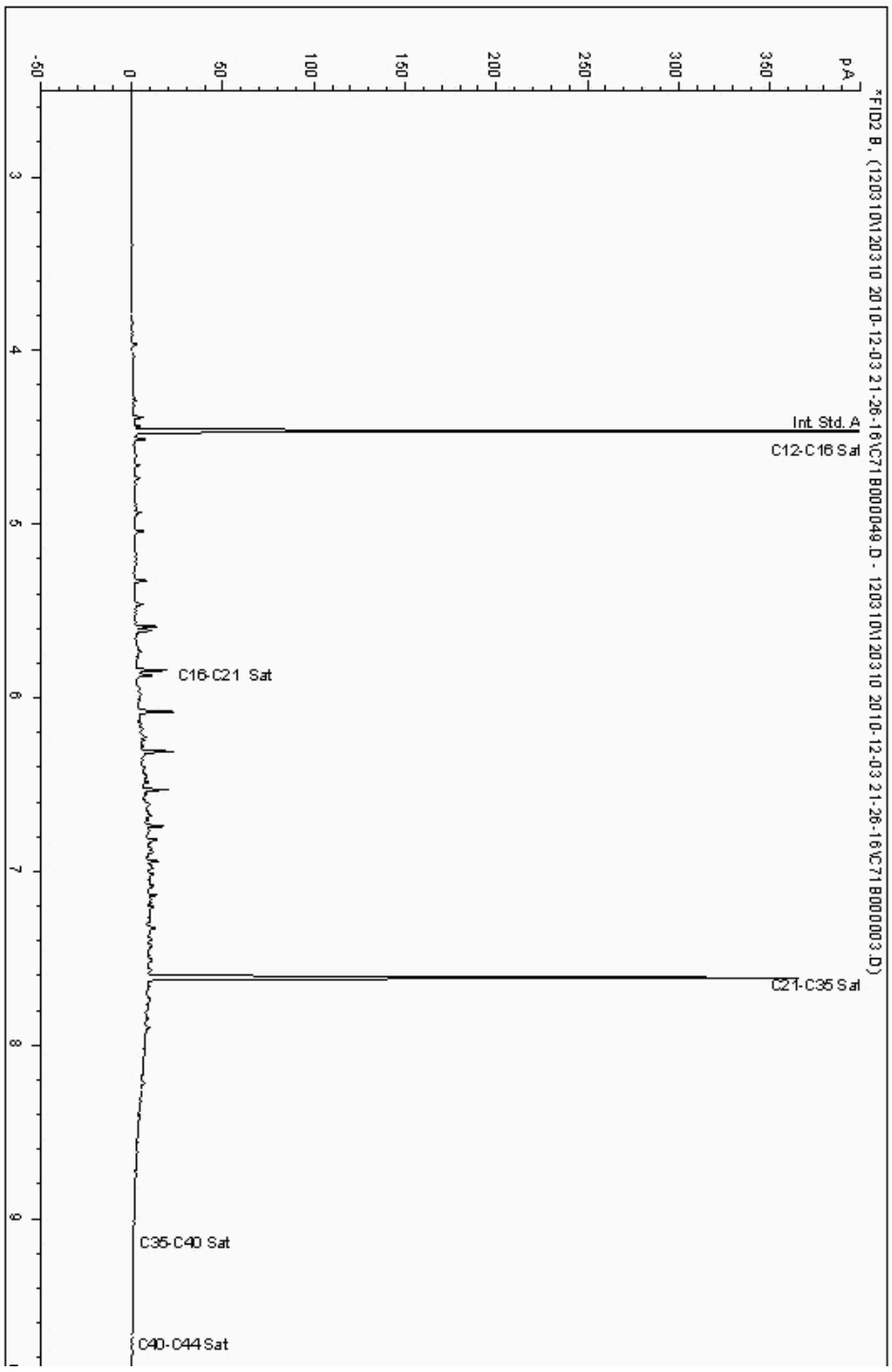
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2527992
Sample ID : CRUSH35

Depth :

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

Sample Identity: 2598418-2527992
Date Acquired : 04/12/10 22:32:28
Units : ppb
Dilution :
CF : 1
Multiplier : 1.020



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

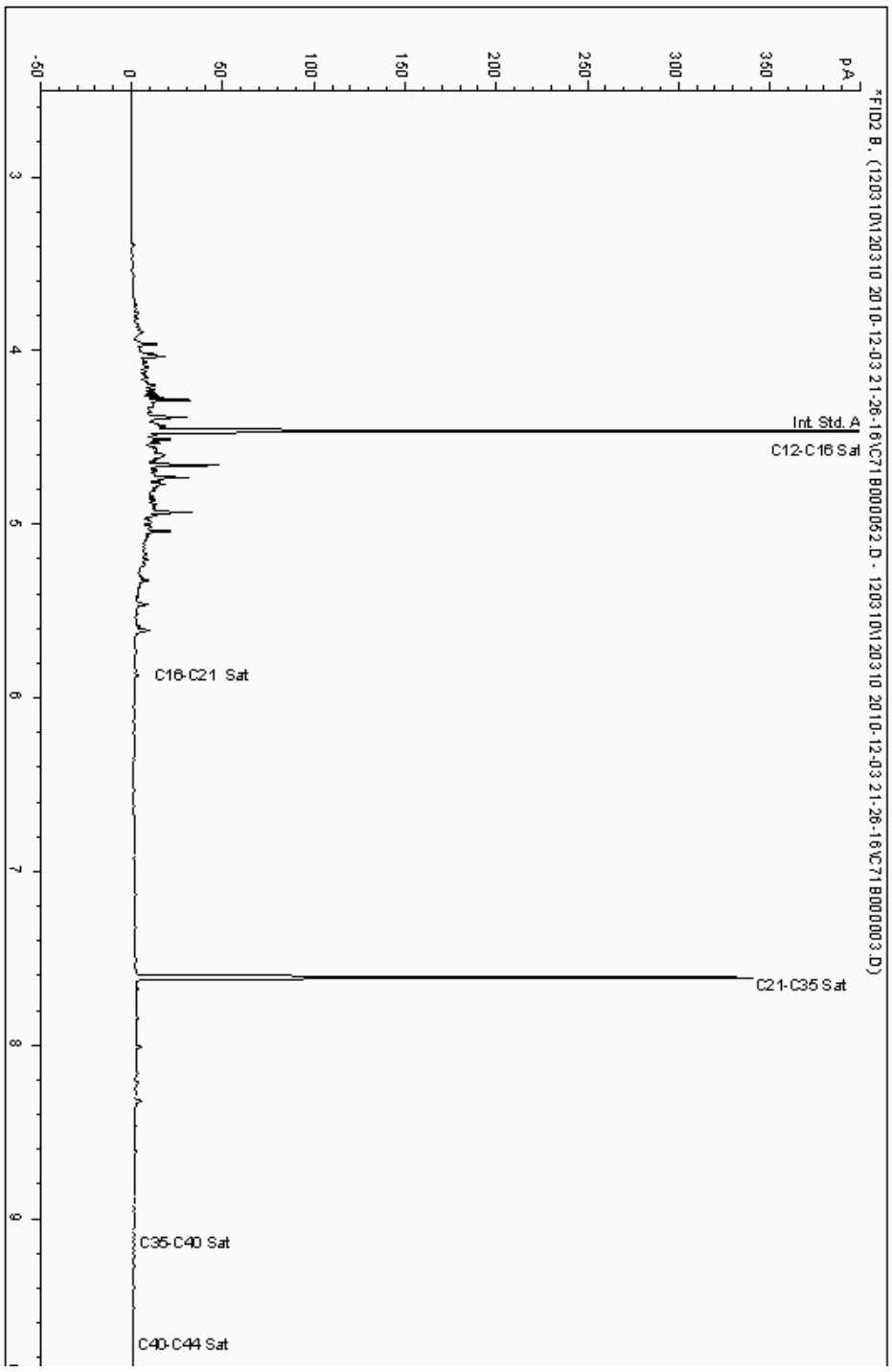
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2528062 **Depth :** 0.30

Sample ID : D69

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

Sample Identity: 2599067-2528062
Date Acquired : 04/12/10 23:25:46
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

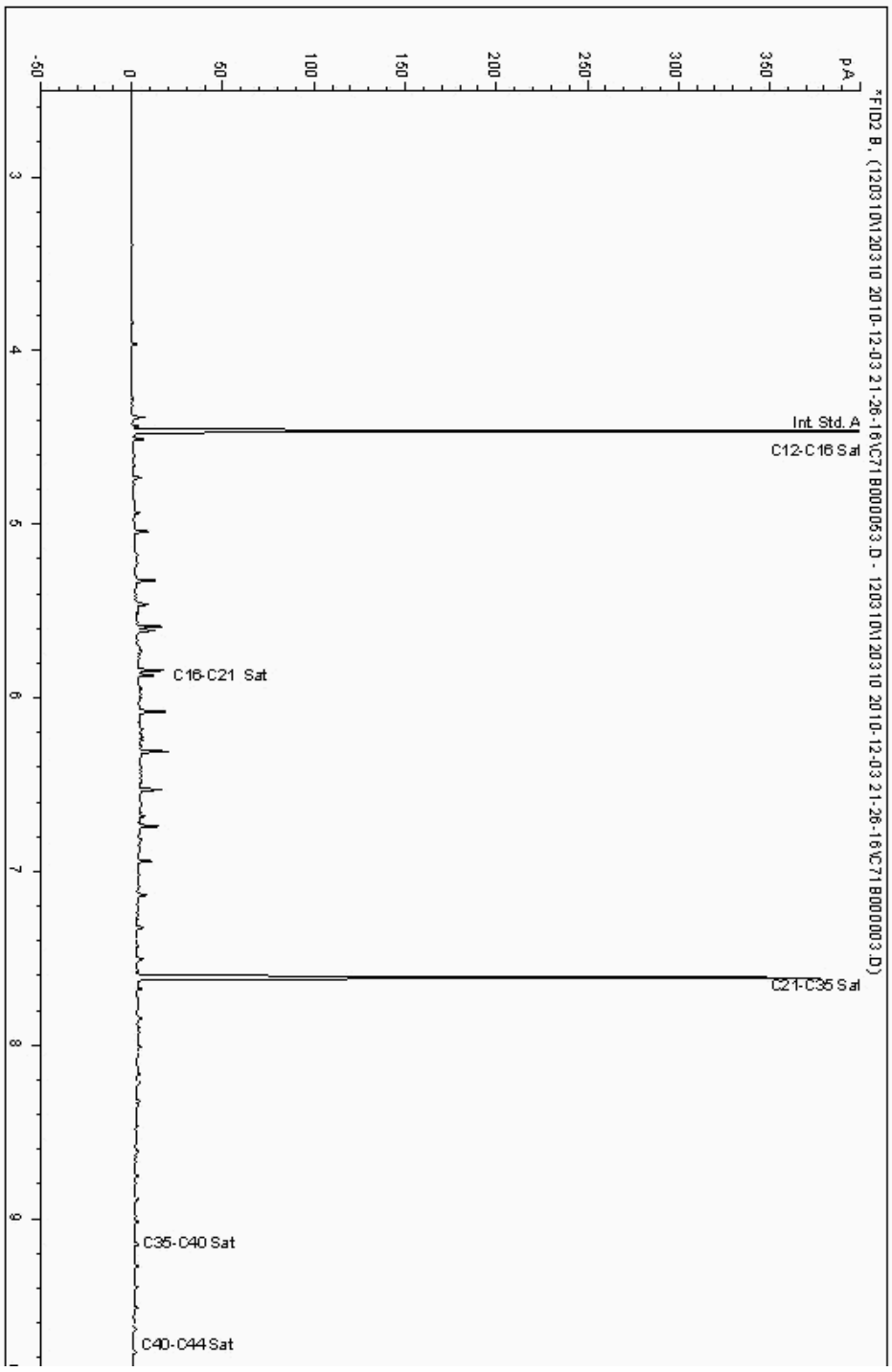
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2528199
Sample ID : CRUSH33

Depth :

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

Sample Identity: 2598351-2528199
Date Acquired : 04/12/10 23:46:22
Units : ppb
Dilution :
CF : 1
Multiplier : 1.010



CERTIFICATE OF ANALYSIS

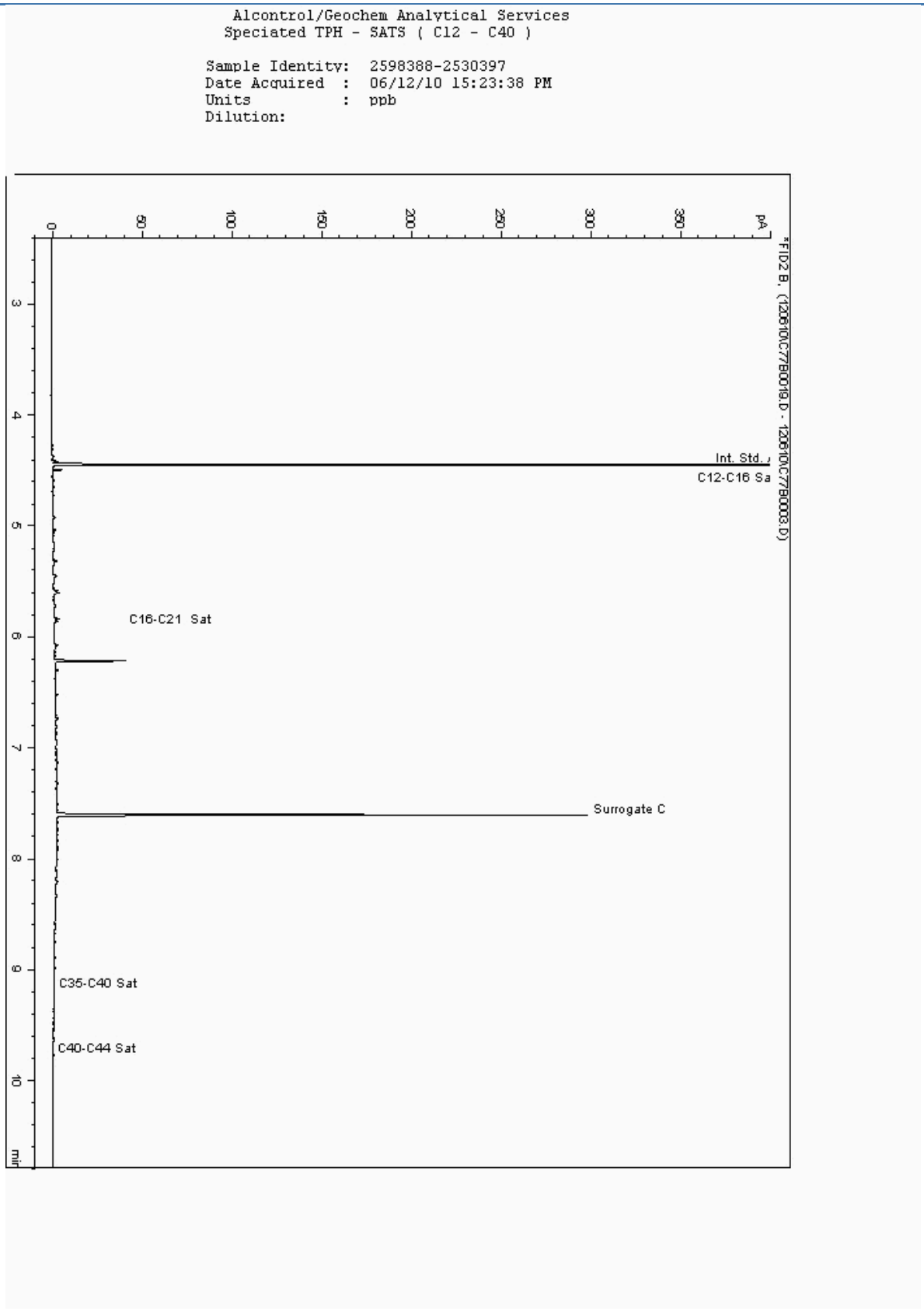
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2530397
Sample ID : CRUSH34

Depth :



CERTIFICATE OF ANALYSIS

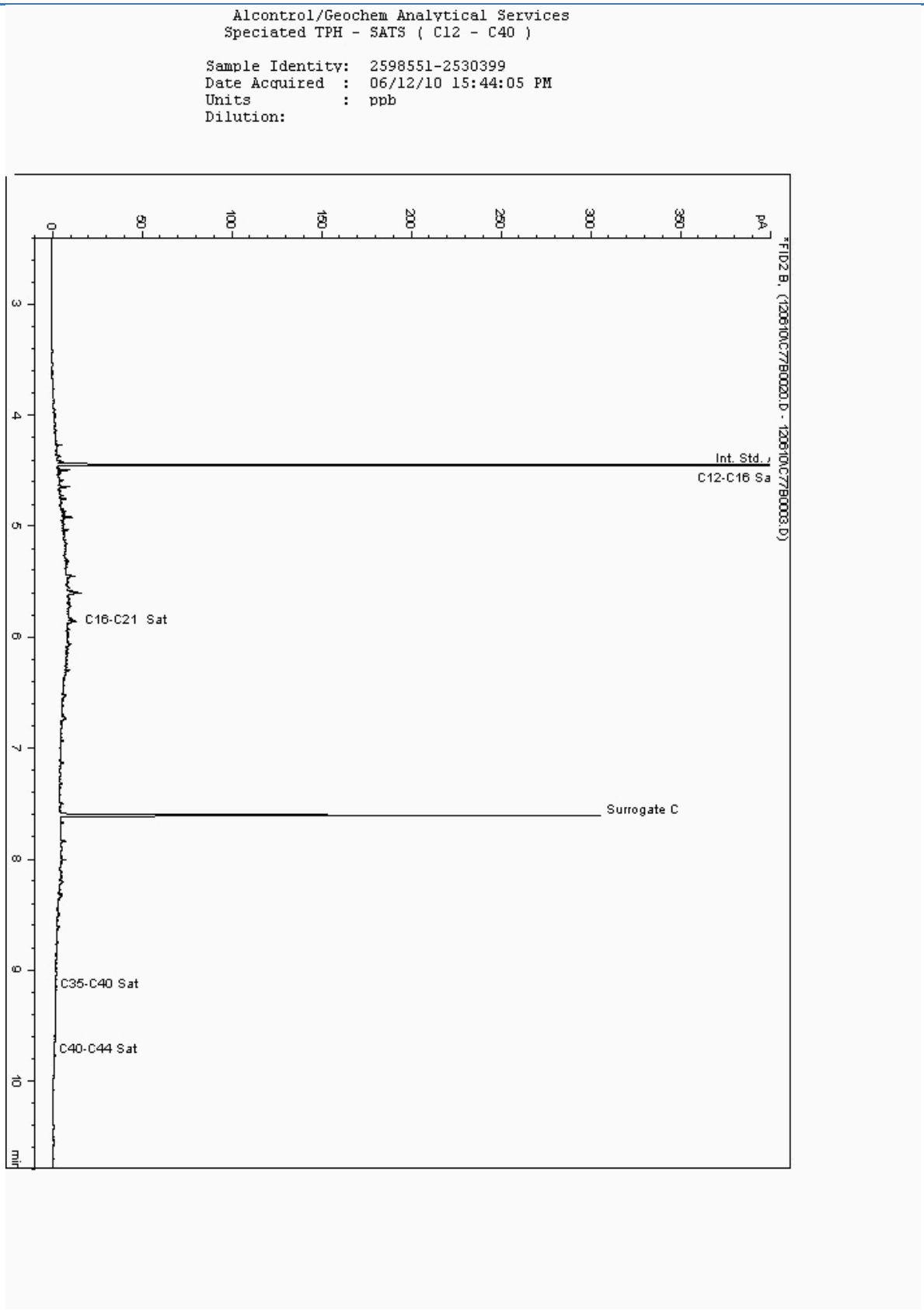
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2530399
Sample ID : D47

Depth : 0.30



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

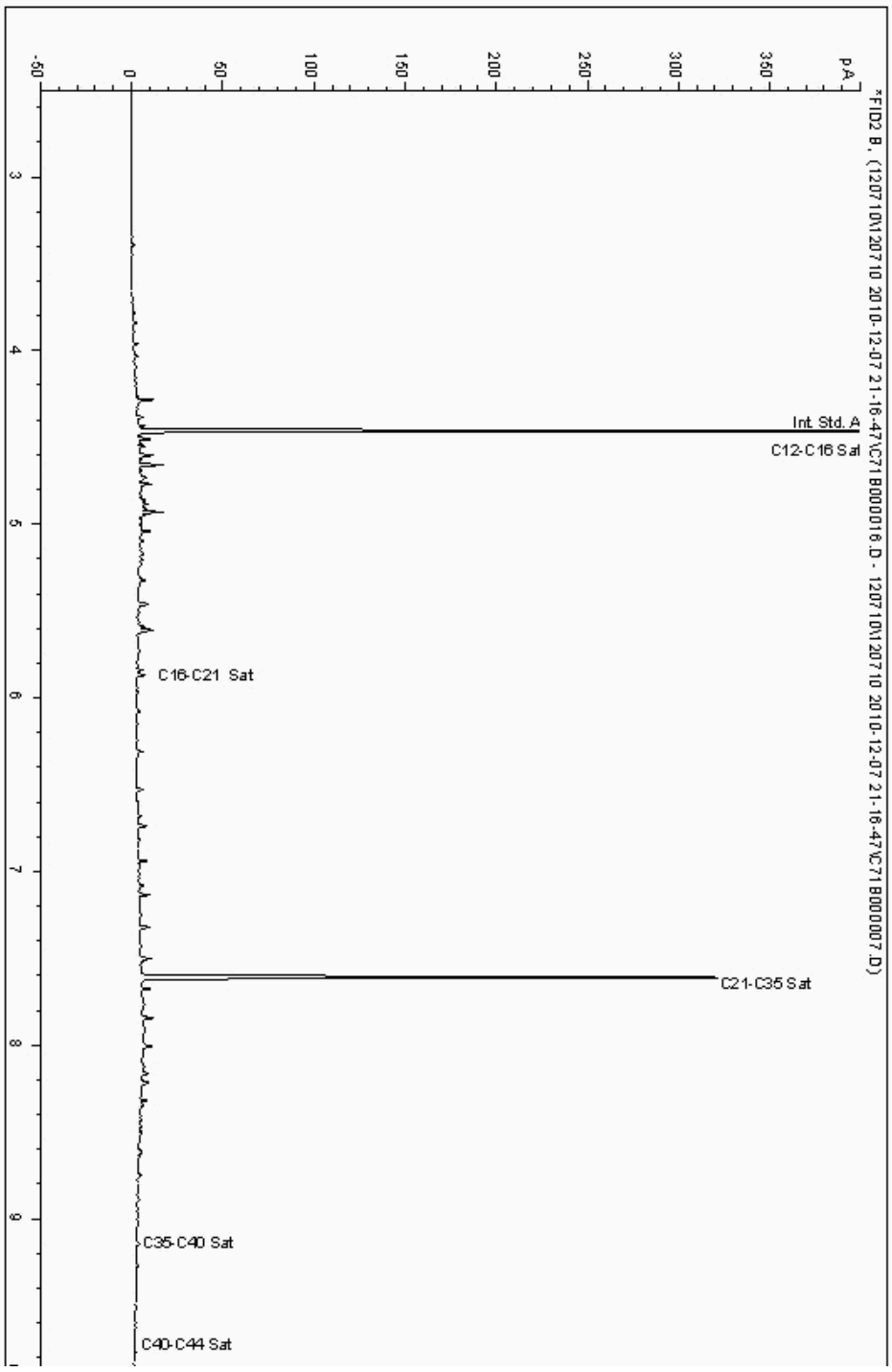
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2541040 **Depth :** 0.40

Sample ID : TB5

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

Sample Identity: 2624329-2541040
Date Acquired : 08/12/10 01:48:57
Units : ppb
Dilution :
CF : 1
Multiplier : 0.962



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

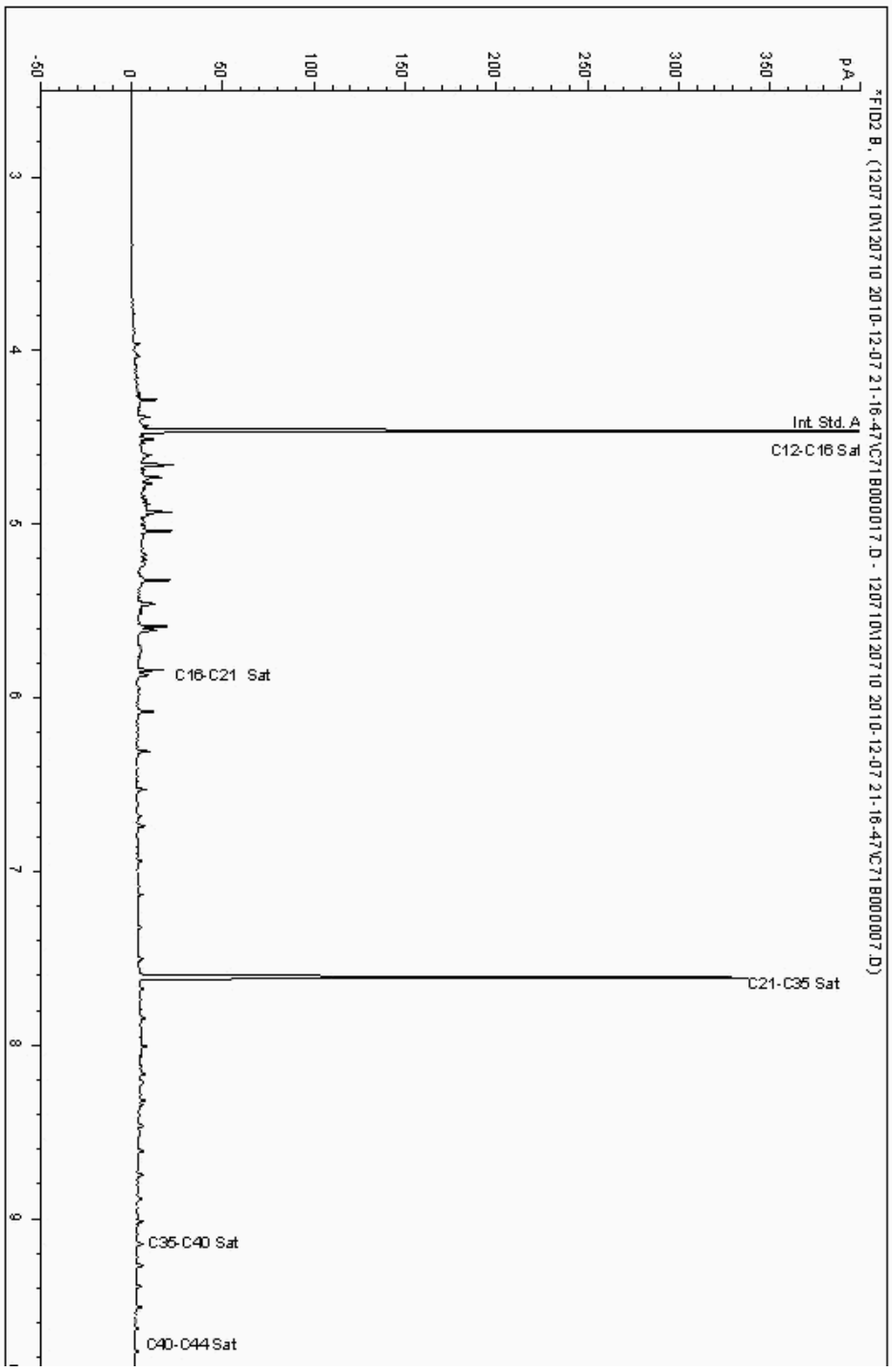
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2541042
Sample ID : D49

Depth : 0.40

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

Sample Identity: 2624344-2541042
Date Acquired : 08/12/10 02:09:24
Units : ppb
Dilution :
CF : 1
Multiplier : 1.018



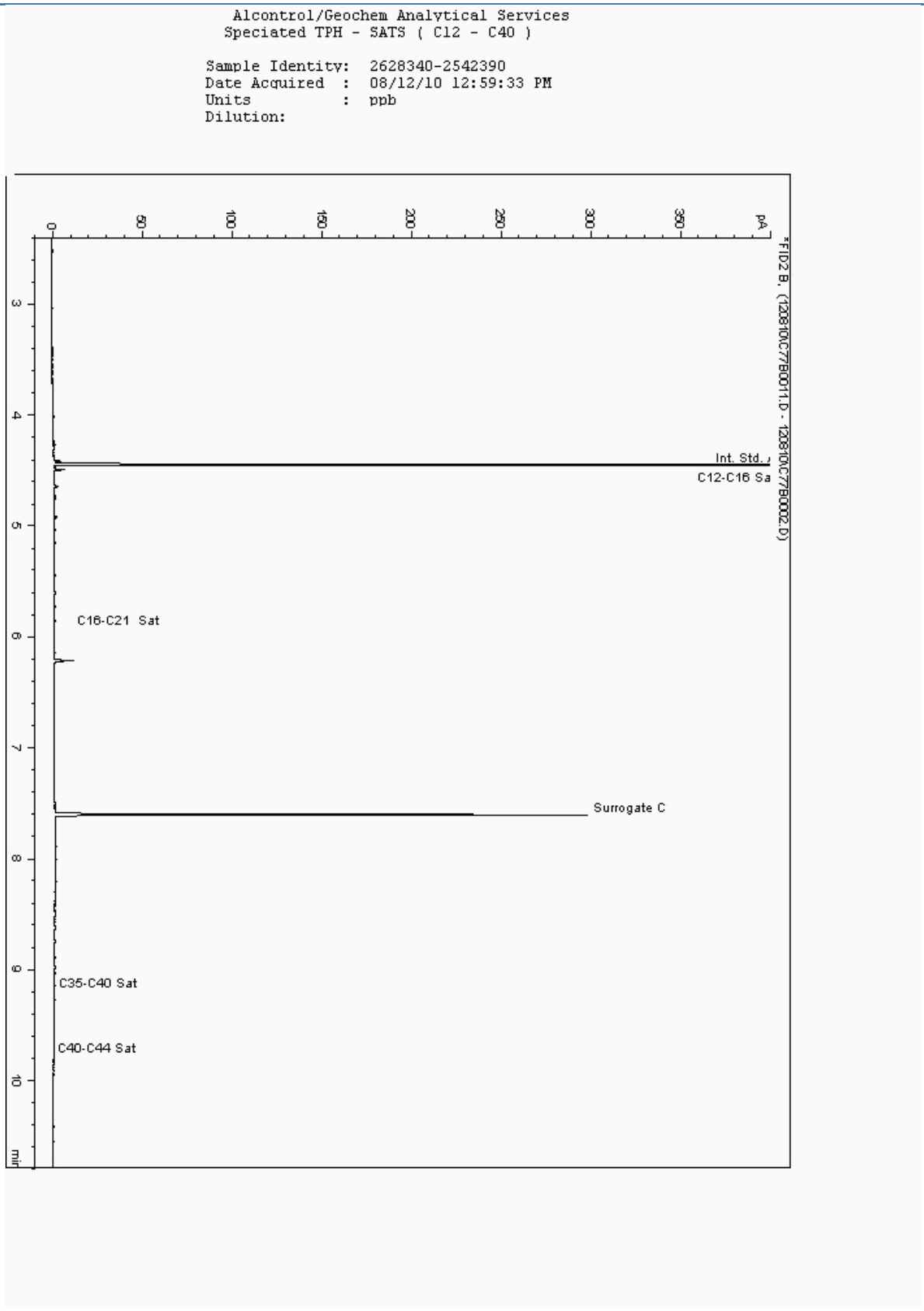
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 2542390 **Depth :** 0.20

Sample ID : D91



CERTIFICATE OF ANALYSIS

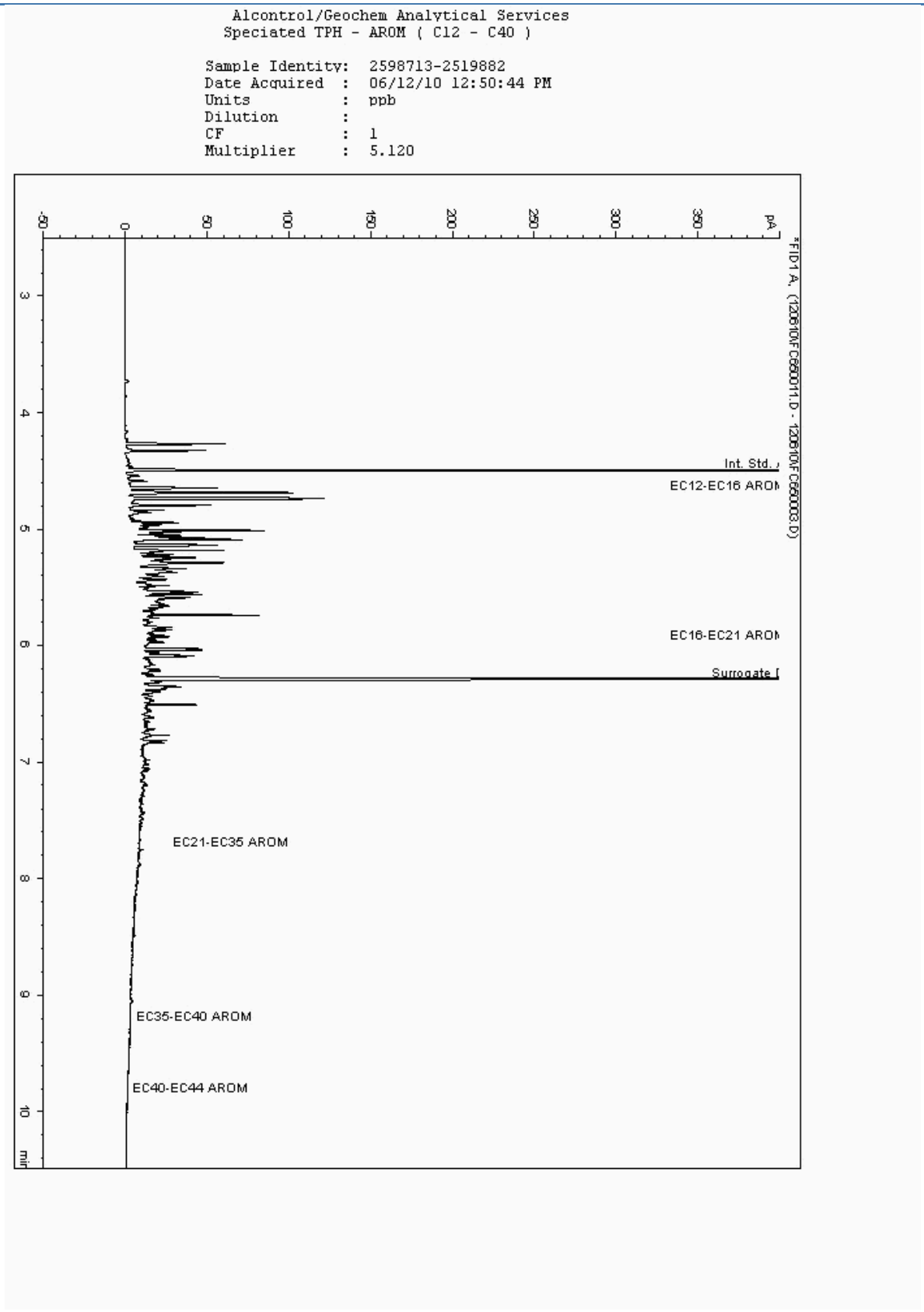
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2519882
Sample ID : D49

Depth : 0.80



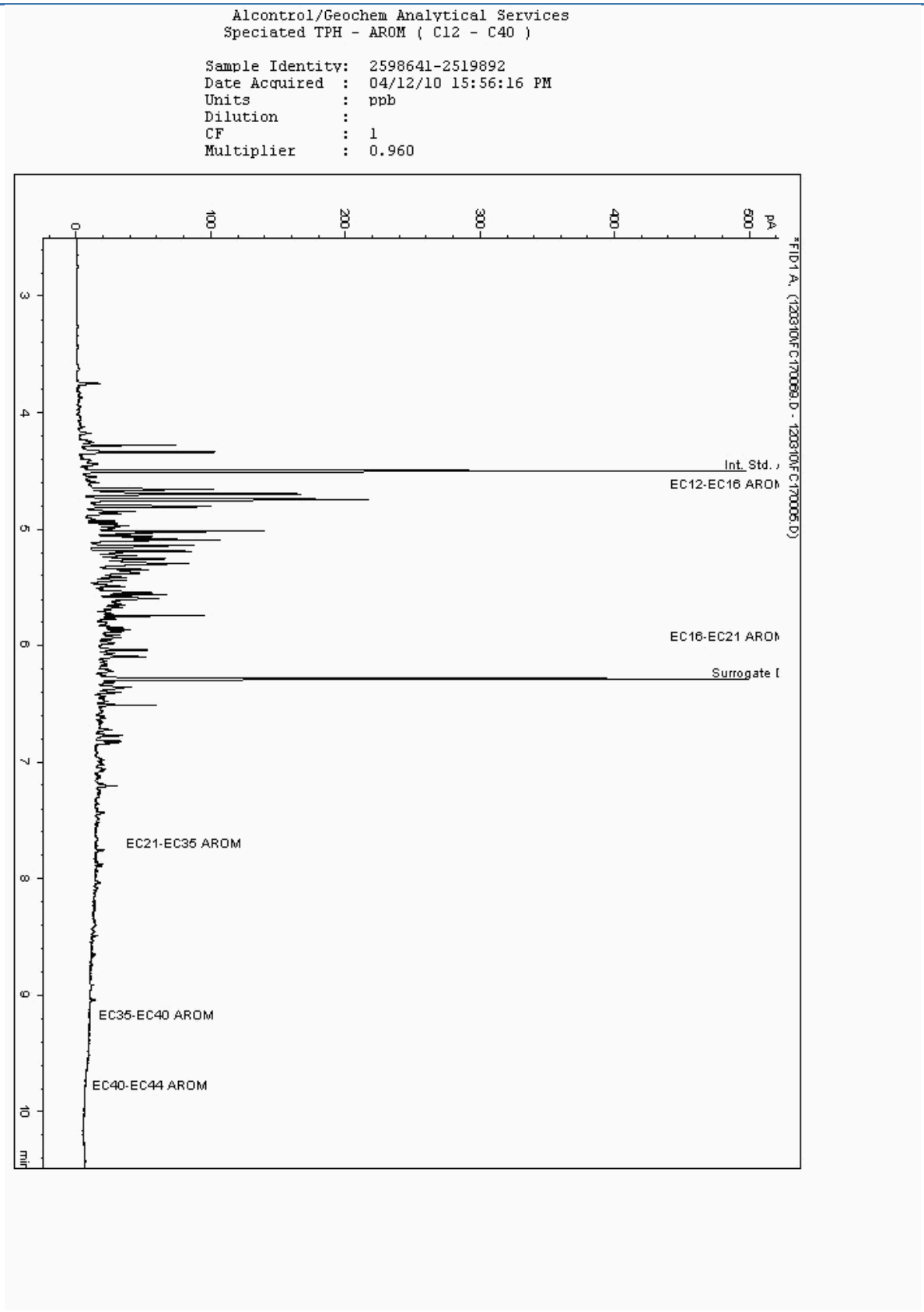
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2519892 **Depth :** 0.80

Sample ID : D48



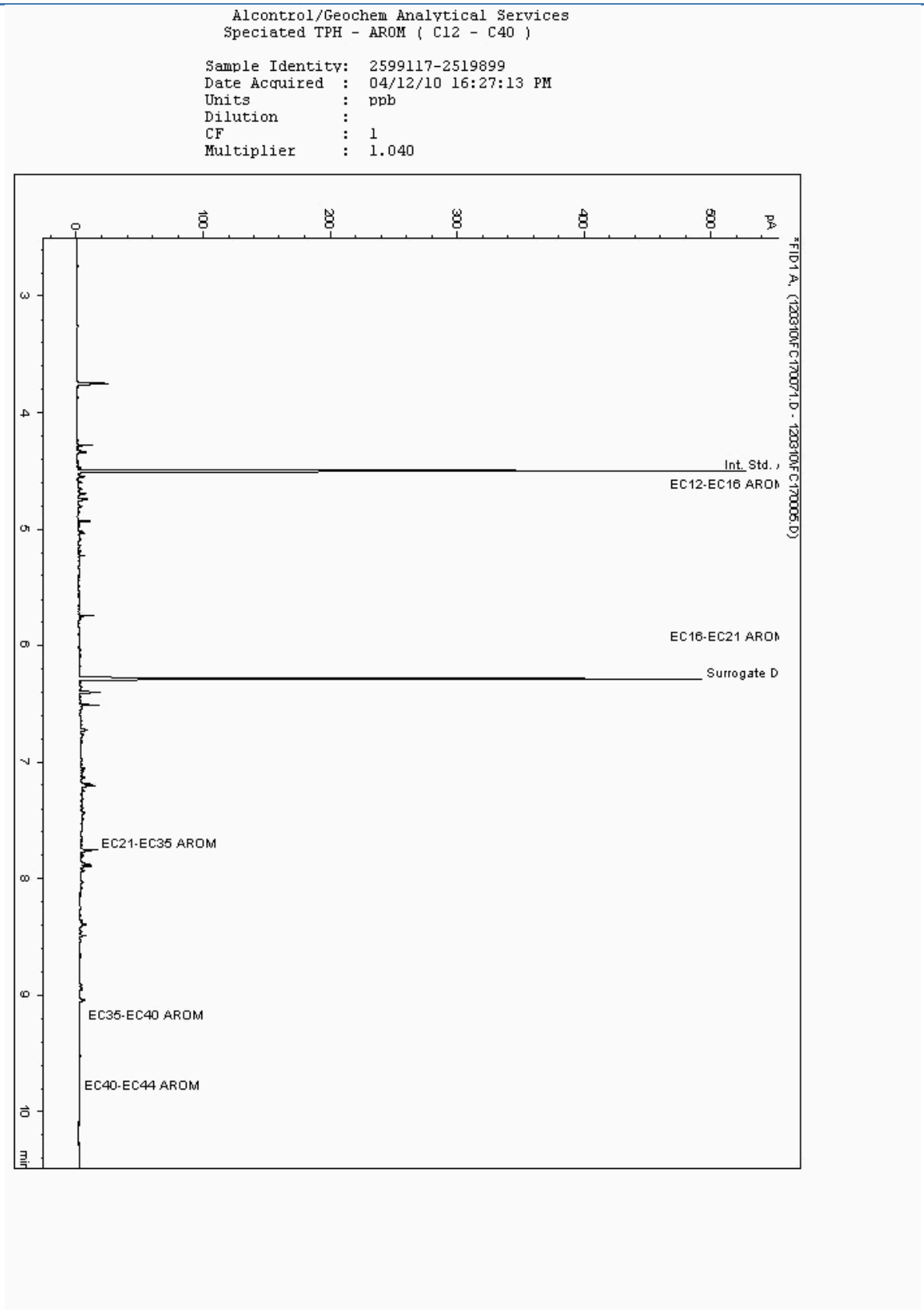
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2519899 **Depth :** 0.40

Sample ID : TB2



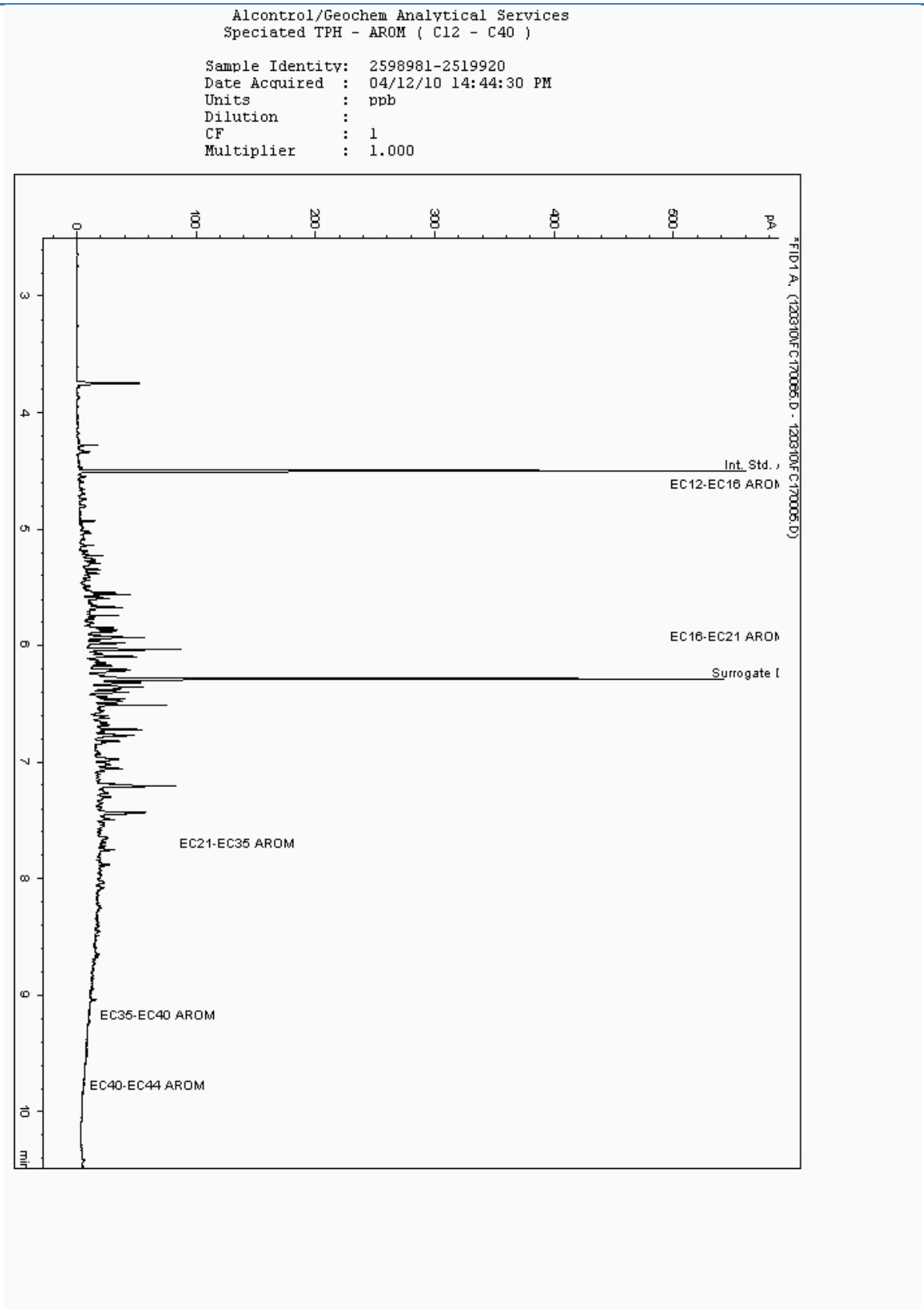
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2519920 **Depth :** 0.10

Sample ID : D62



CERTIFICATE OF ANALYSIS

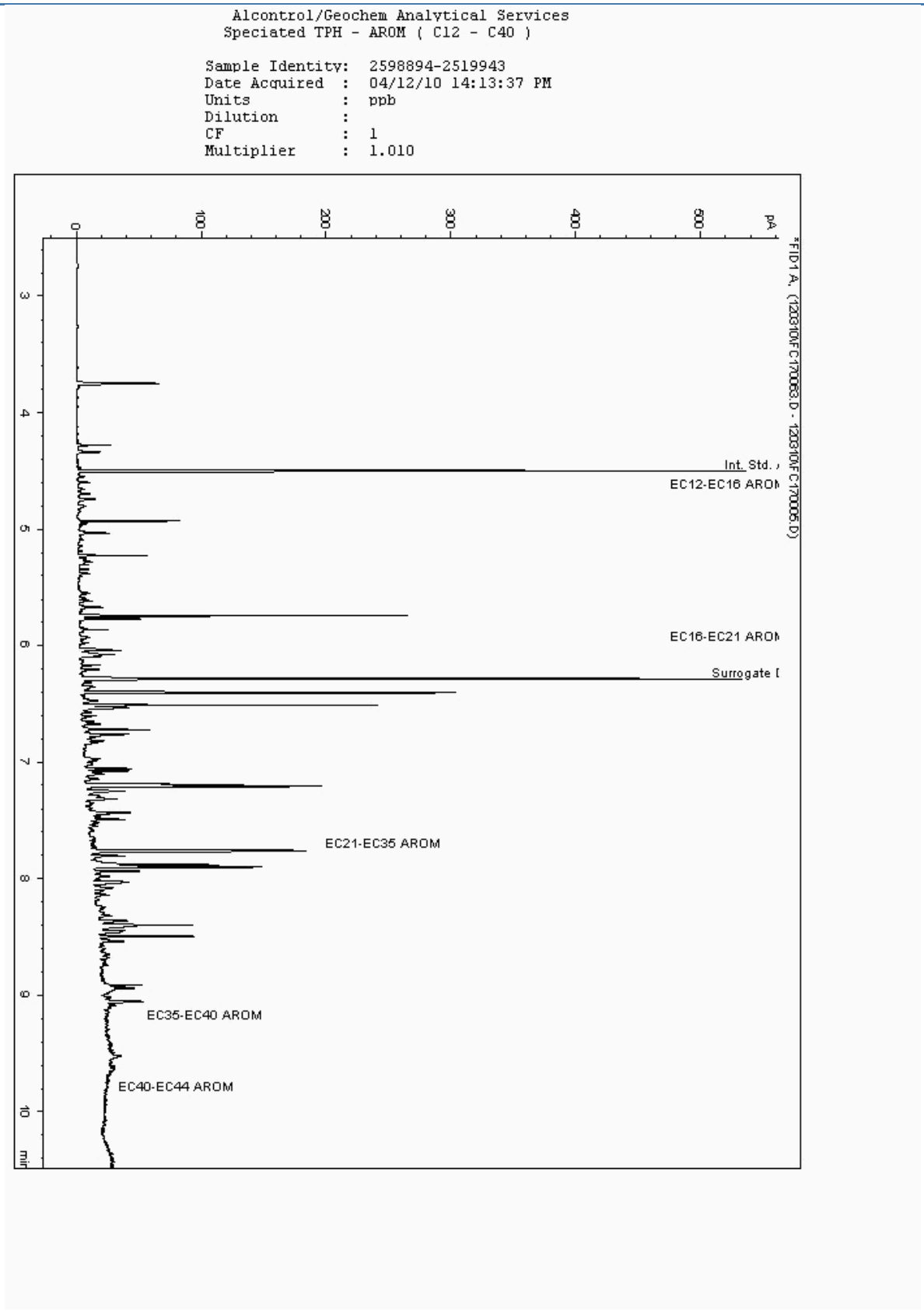
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2519943
Sample ID : D59

Depth : 0.10



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

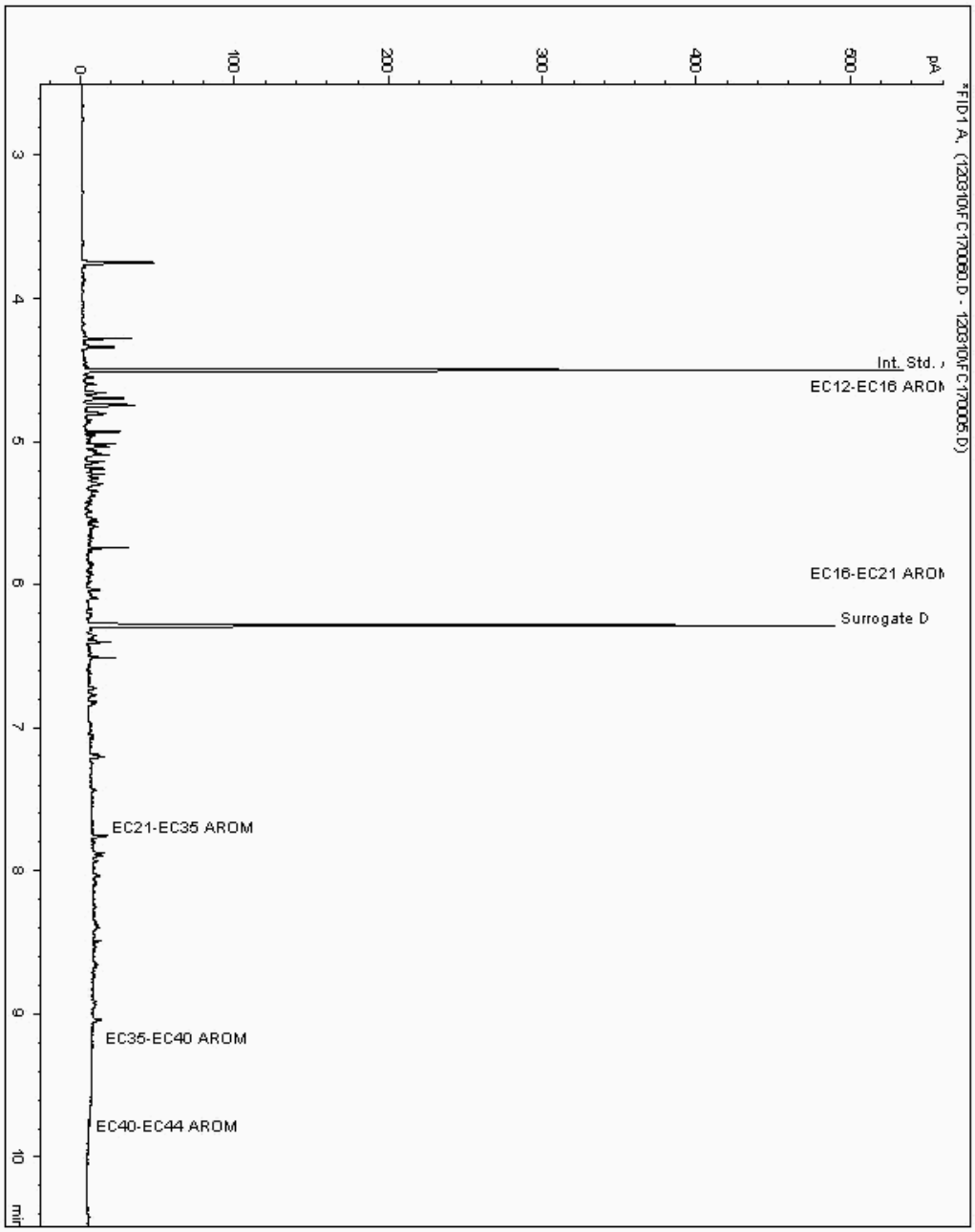
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2519964 **Depth :** 0.80

Sample ID : D32

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

Sample Identity: 2598481-2519964
Date Acquired : 04/12/10 13:22:10 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.040



CERTIFICATE OF ANALYSIS

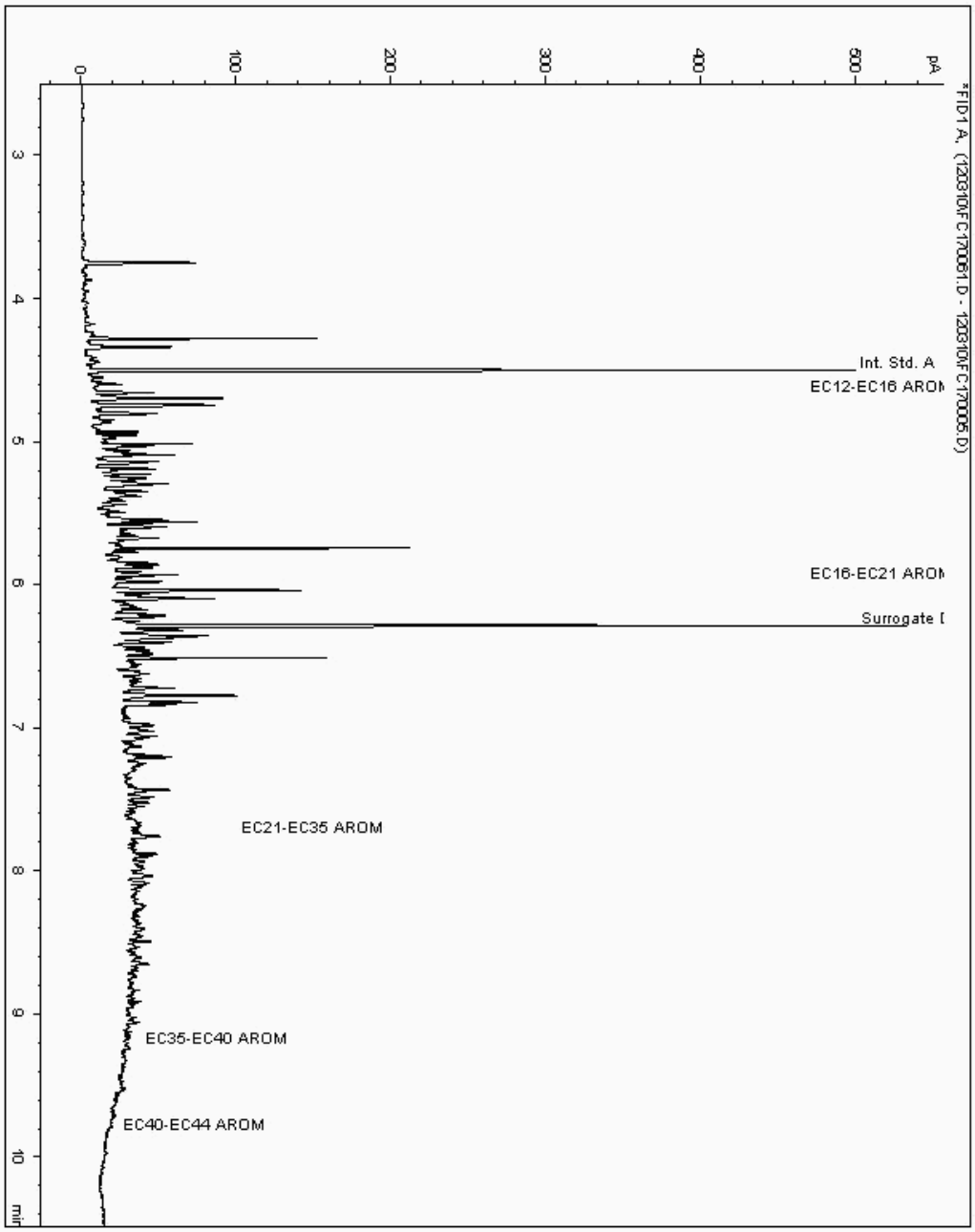
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2519981 **Depth :** 0.30
Sample ID : D50

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

Sample Identity: 2598752-2519981
Date Acquired : 04/12/10 13:42:47 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.010



CERTIFICATE OF ANALYSIS

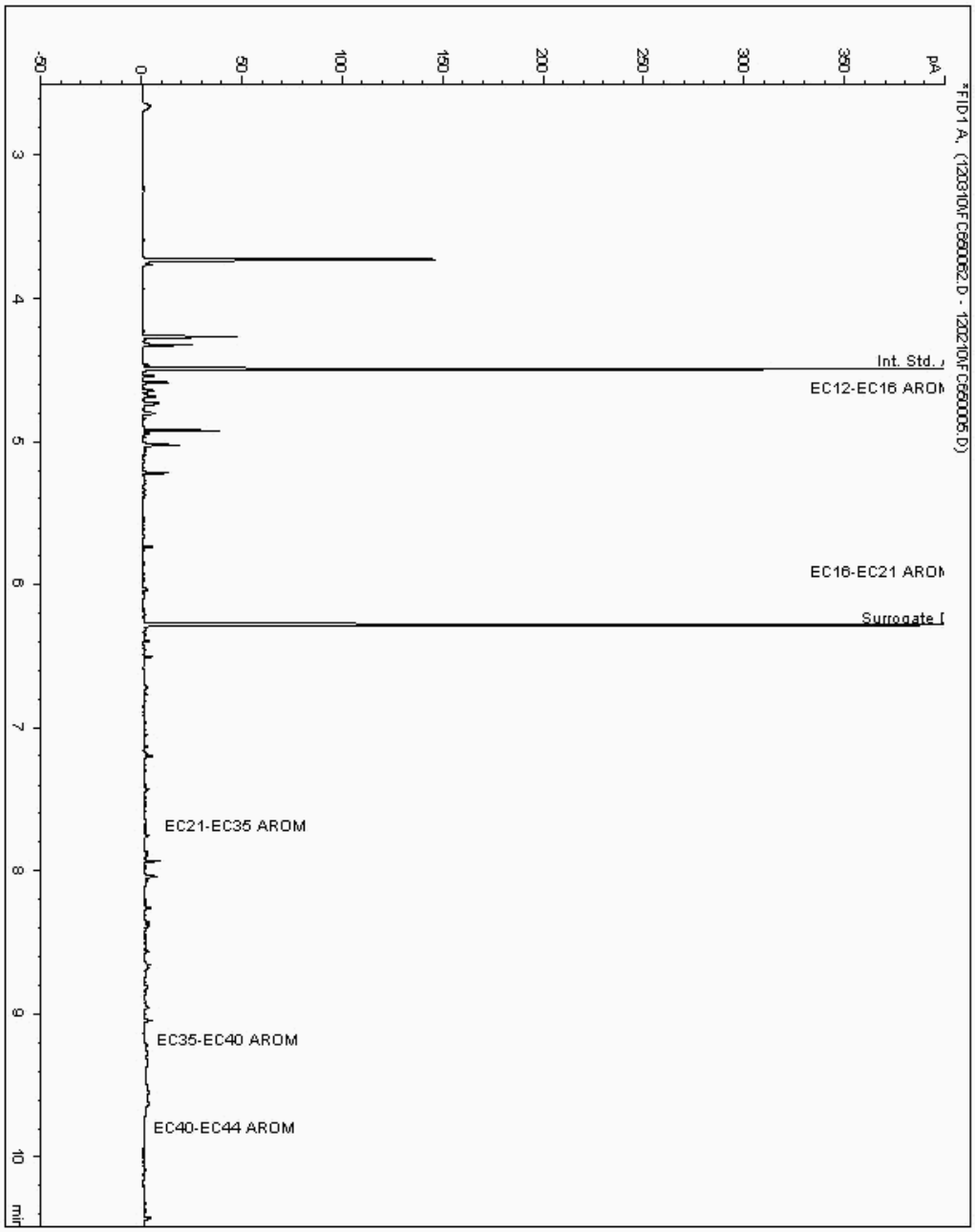
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2522729 **Depth :** 0.70
Sample ID : D54

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

Sample Identity: 2598832-2522729
Date Acquired : 04/12/10 10:09:16 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.020



CERTIFICATE OF ANALYSIS

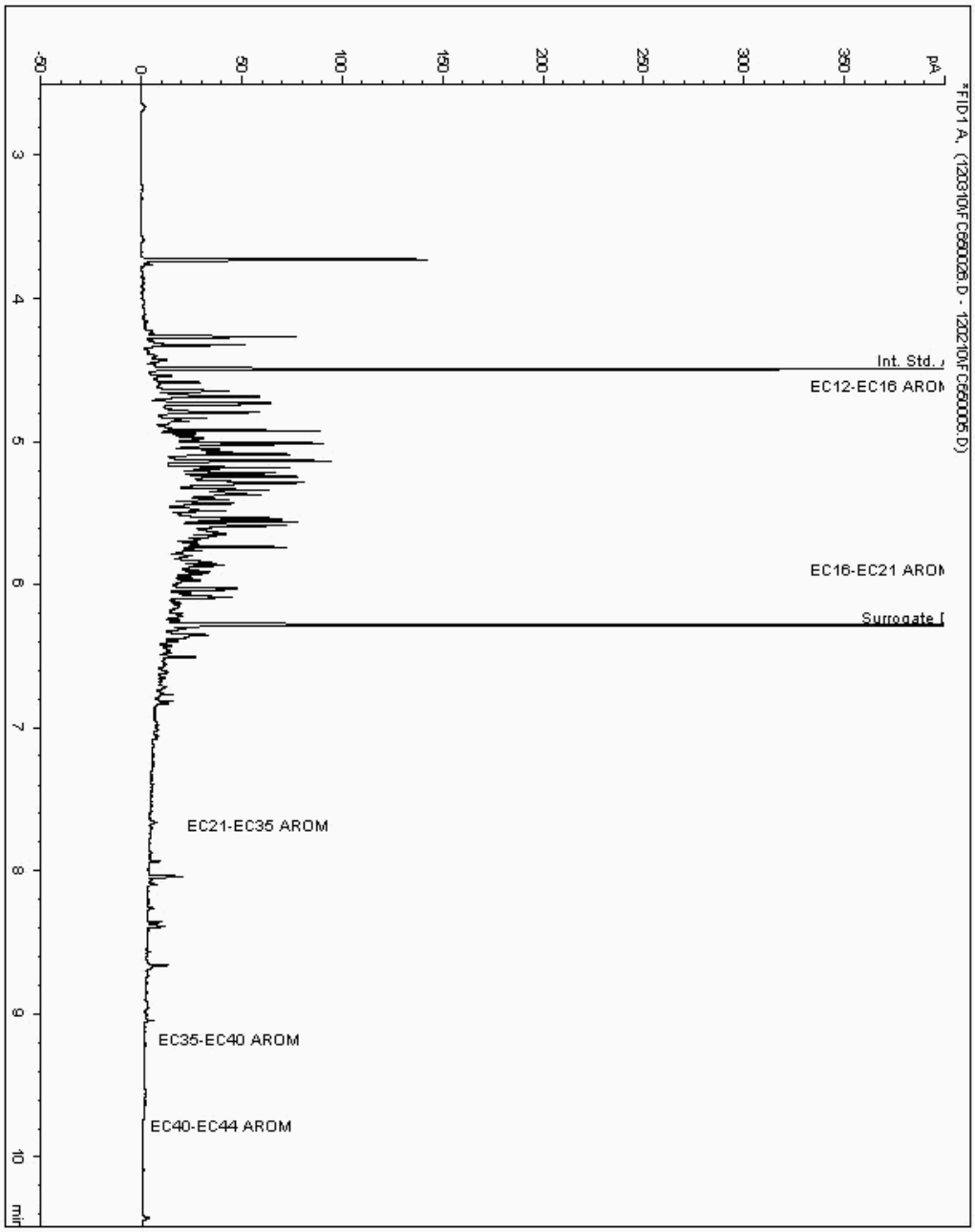
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2523055 **Depth :** 1.20
Sample ID : D32

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

Sample Identity: 2598521-2523055
Date Acquired : 03/12/10 22:47:15 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



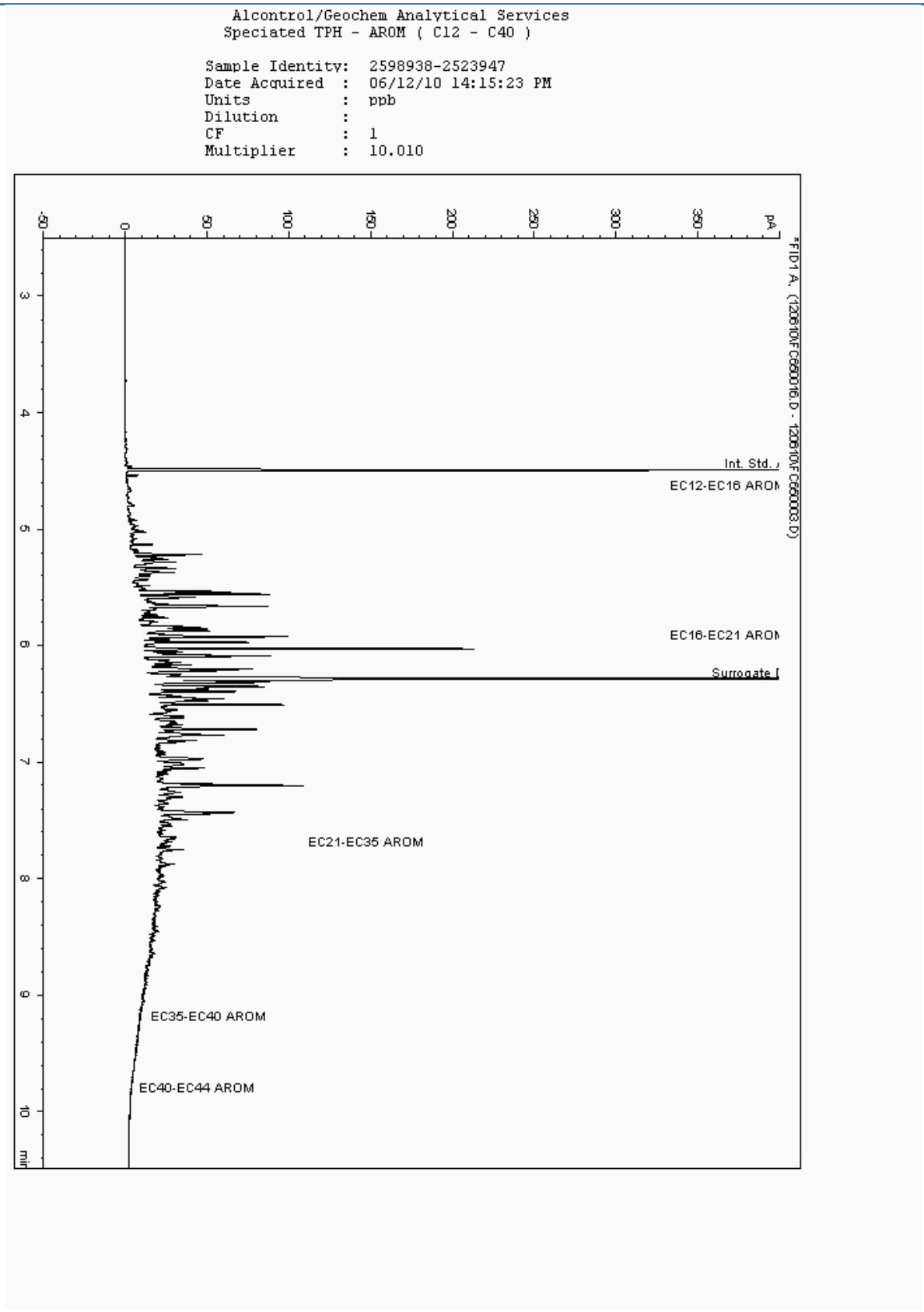
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2523947 **Depth :** 0.30

Sample ID : D61



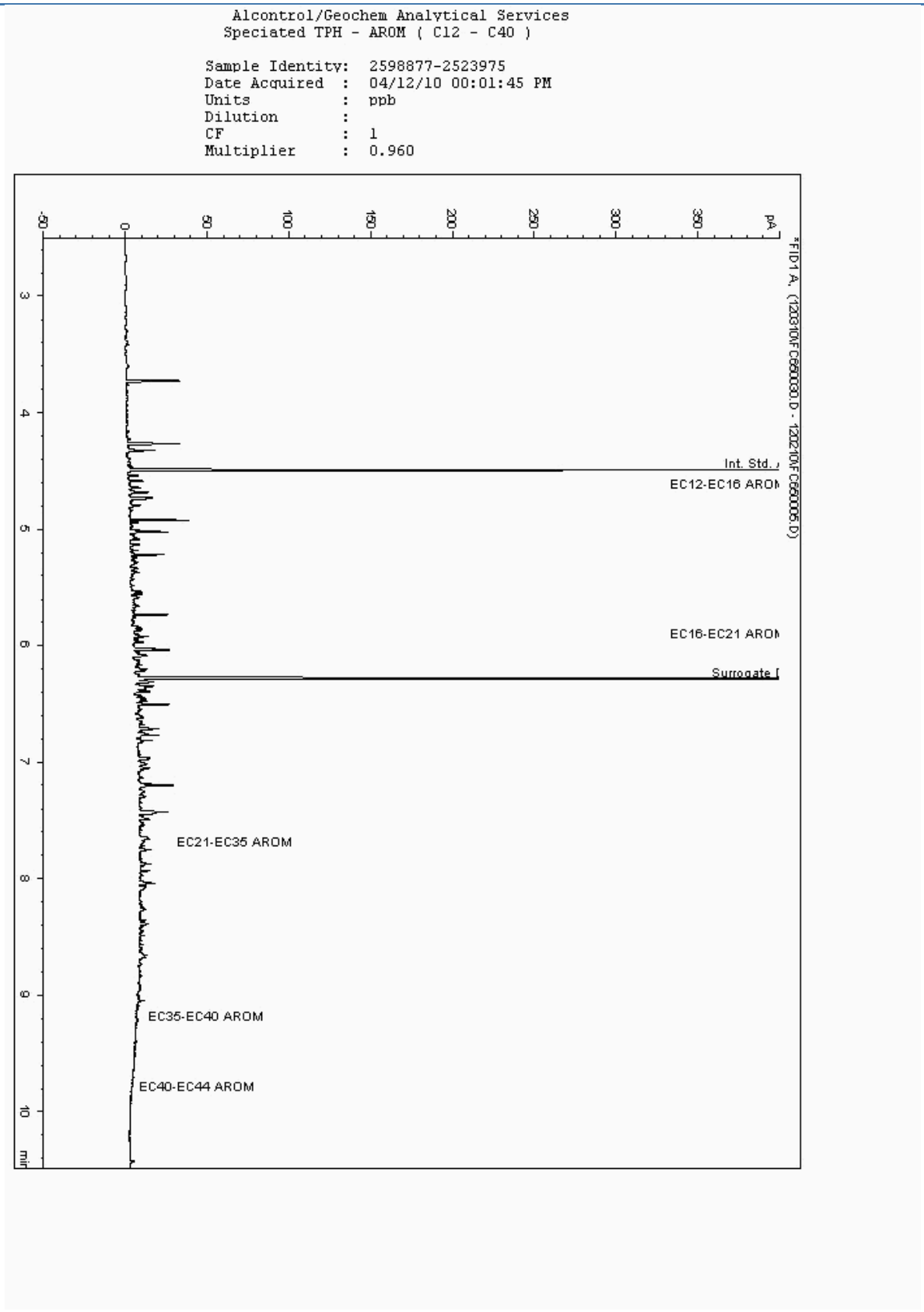
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2523975 **Depth :** 0.10

Sample ID : D55



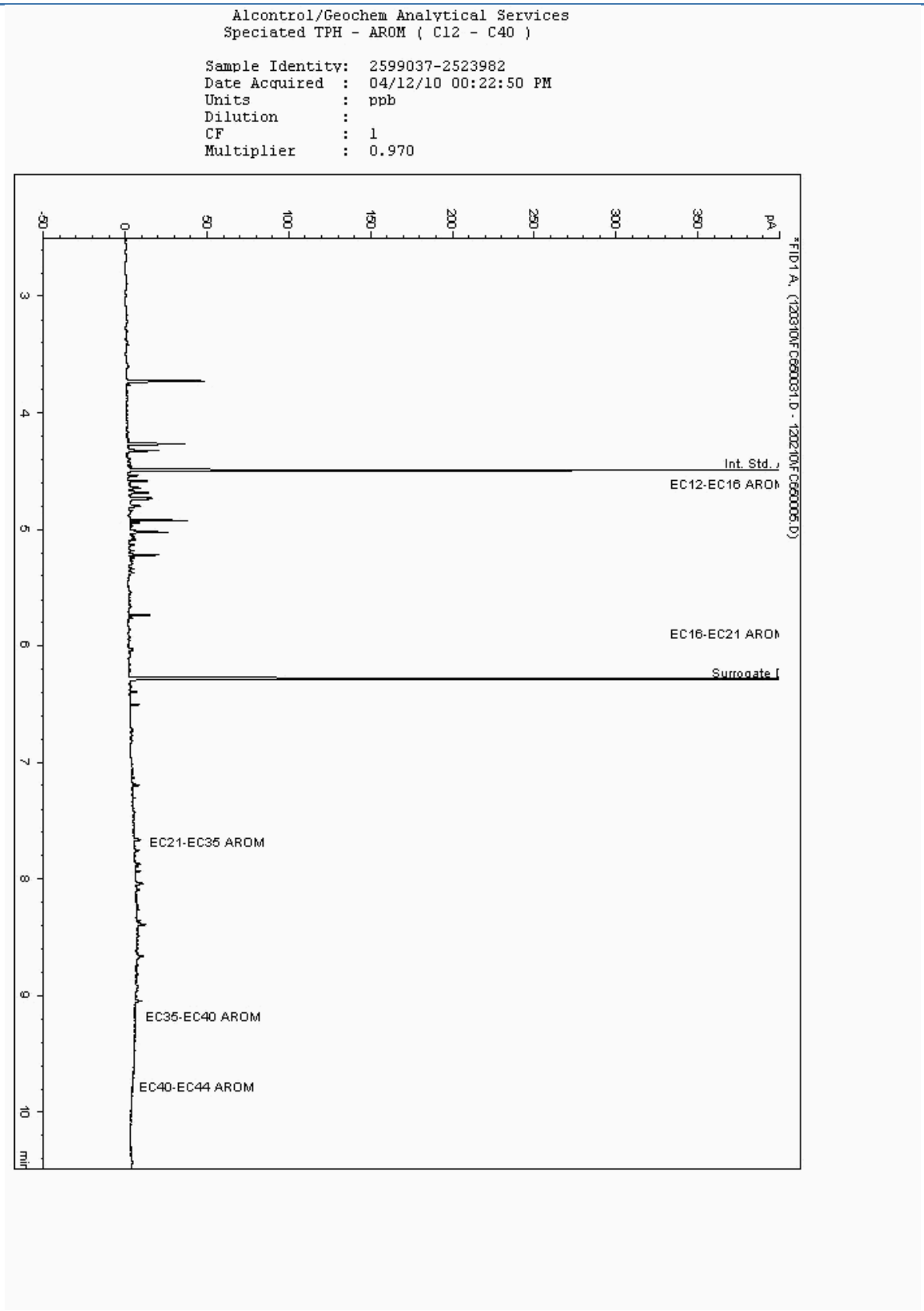
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2523982 **Depth :** 0.40

Sample ID : D67

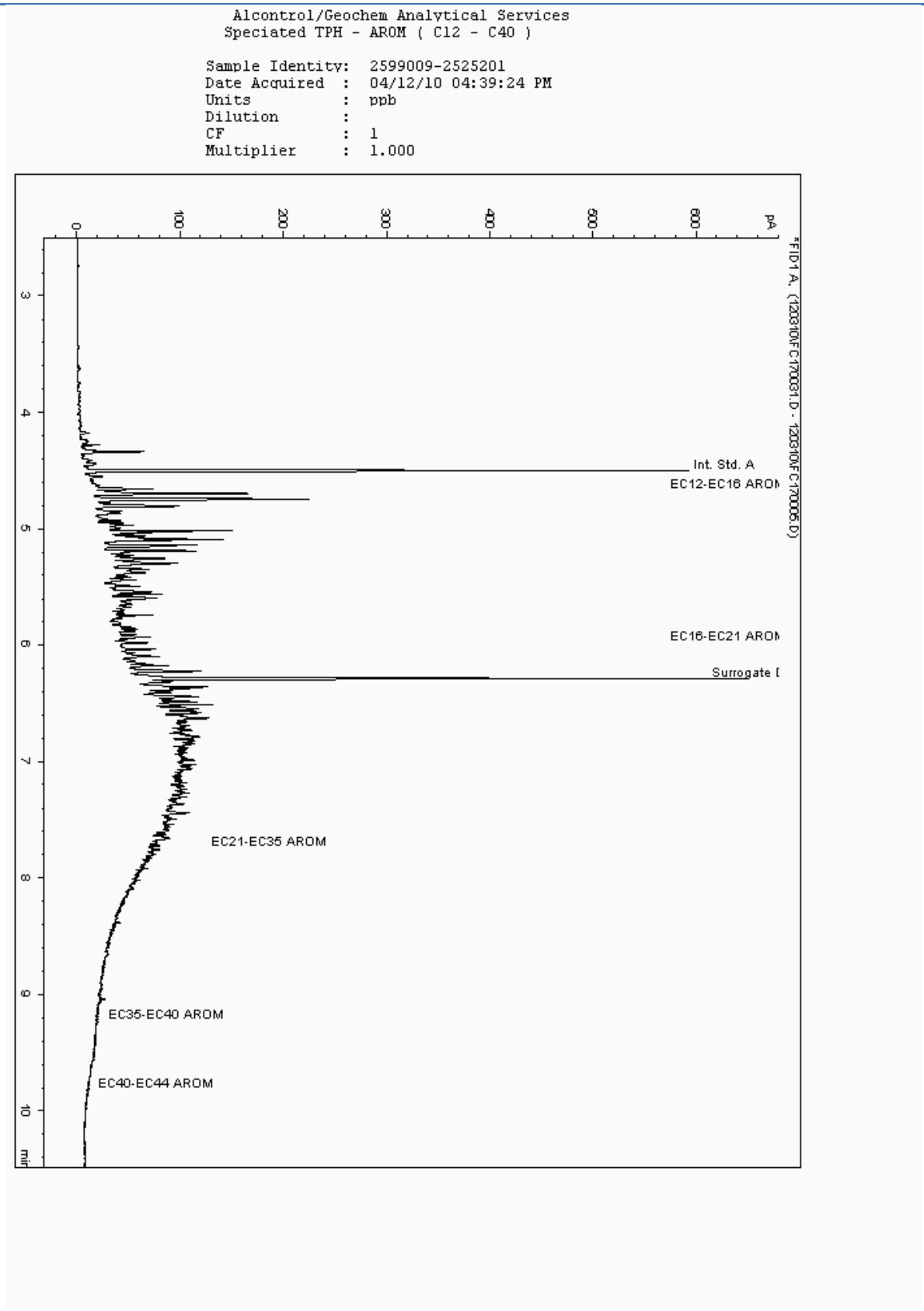


CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2525201 **Depth :** 0.10
Sample ID : D66

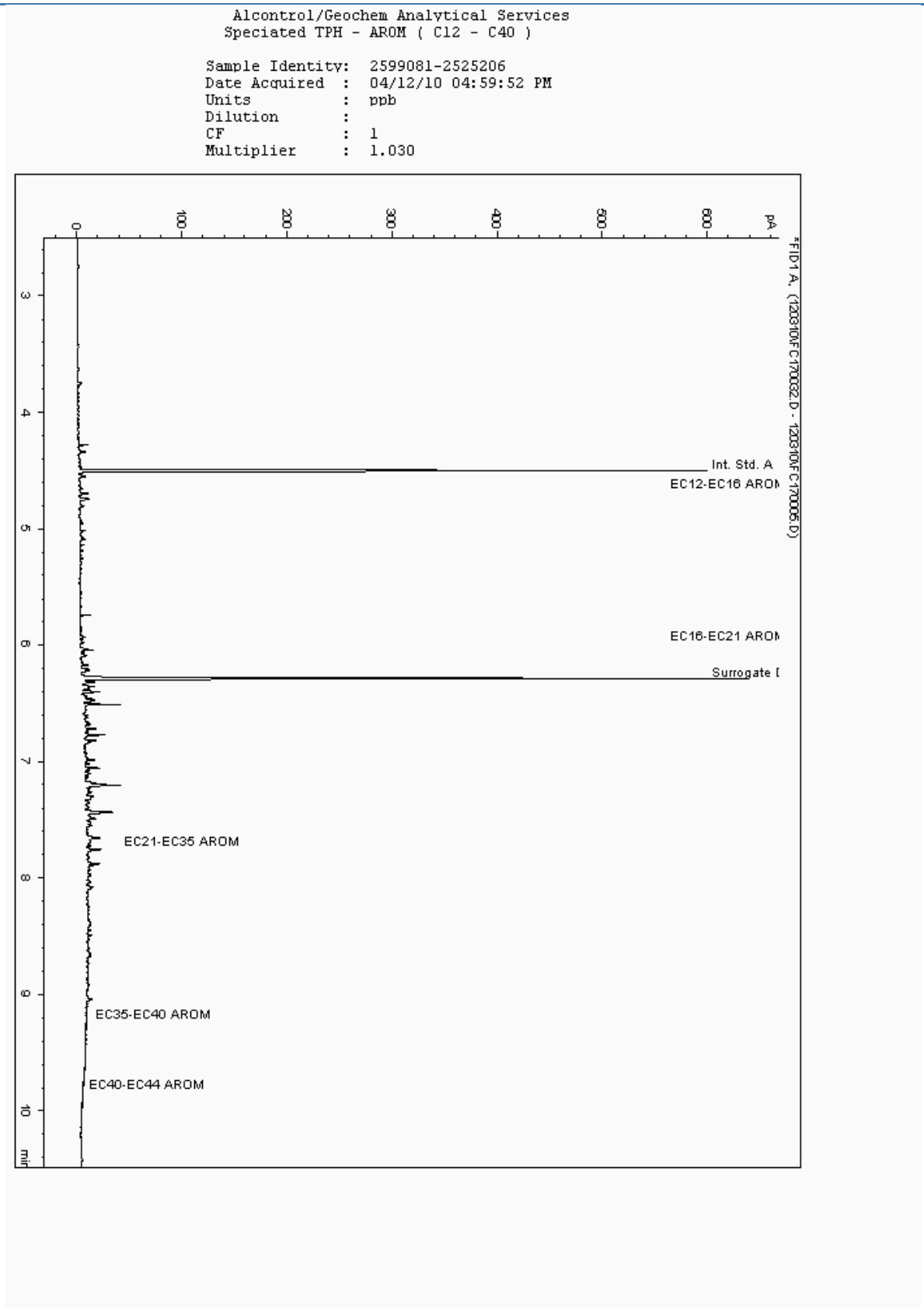


CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2525206 **Depth :** 1.10
Sample ID : D69



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

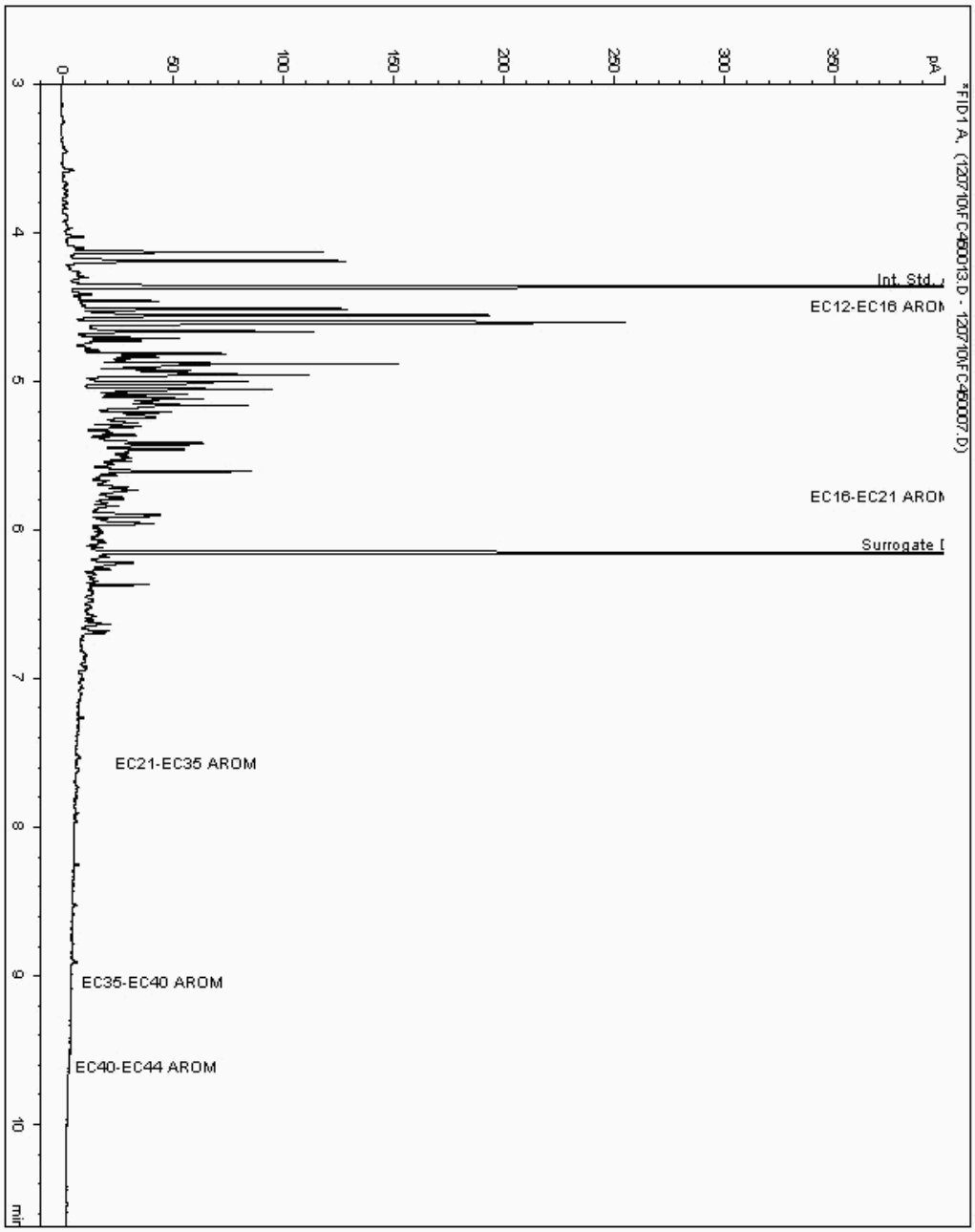
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2527209 **Depth :** 1.20

Sample ID : TB5

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

Sample Identity: 2599146-2527209
Date Acquired : 08/12/10 07:25:10 PM
Units : ppb
Dilution:



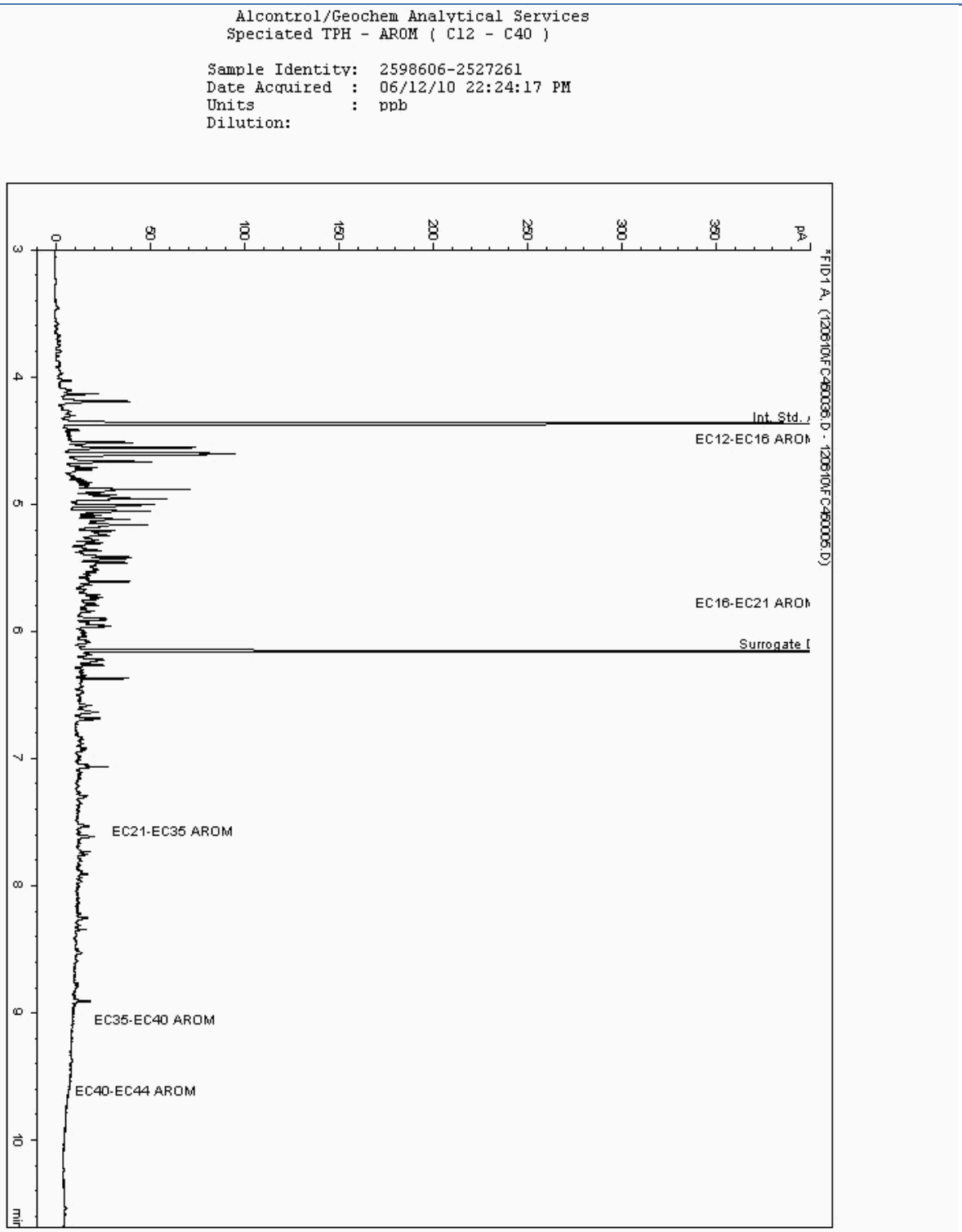
CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2527261 **Depth :** 0.10

Sample ID : D48



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

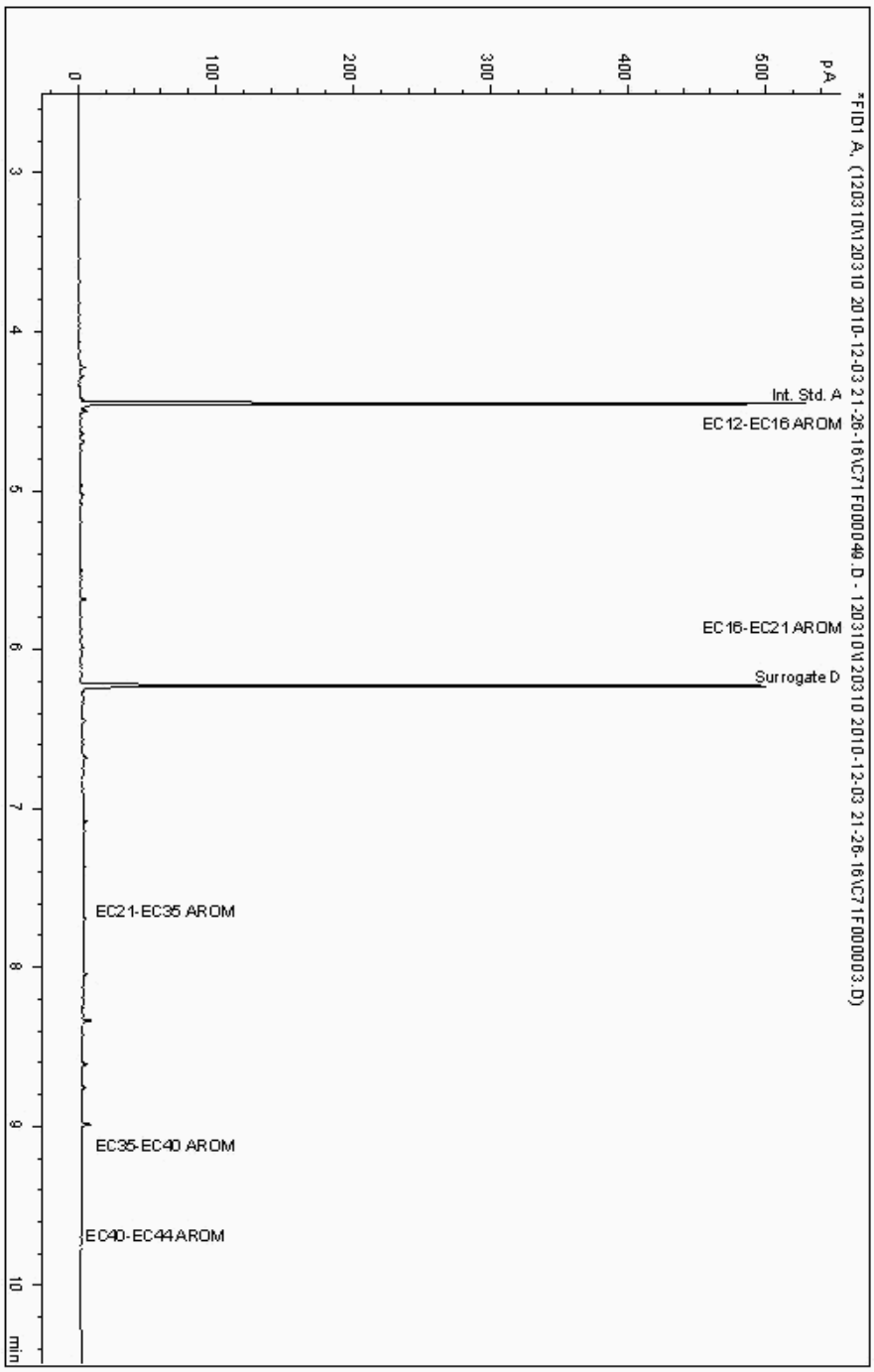
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2527992
Sample ID : CRUSH35

Depth :

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

Sample Identity: 2598419-2527992
Date Acquired : 04/12/10 22:32:28
Units : ppb
Dilution :
CF : 1
Multiplier : 1.020



CERTIFICATE OF ANALYSIS

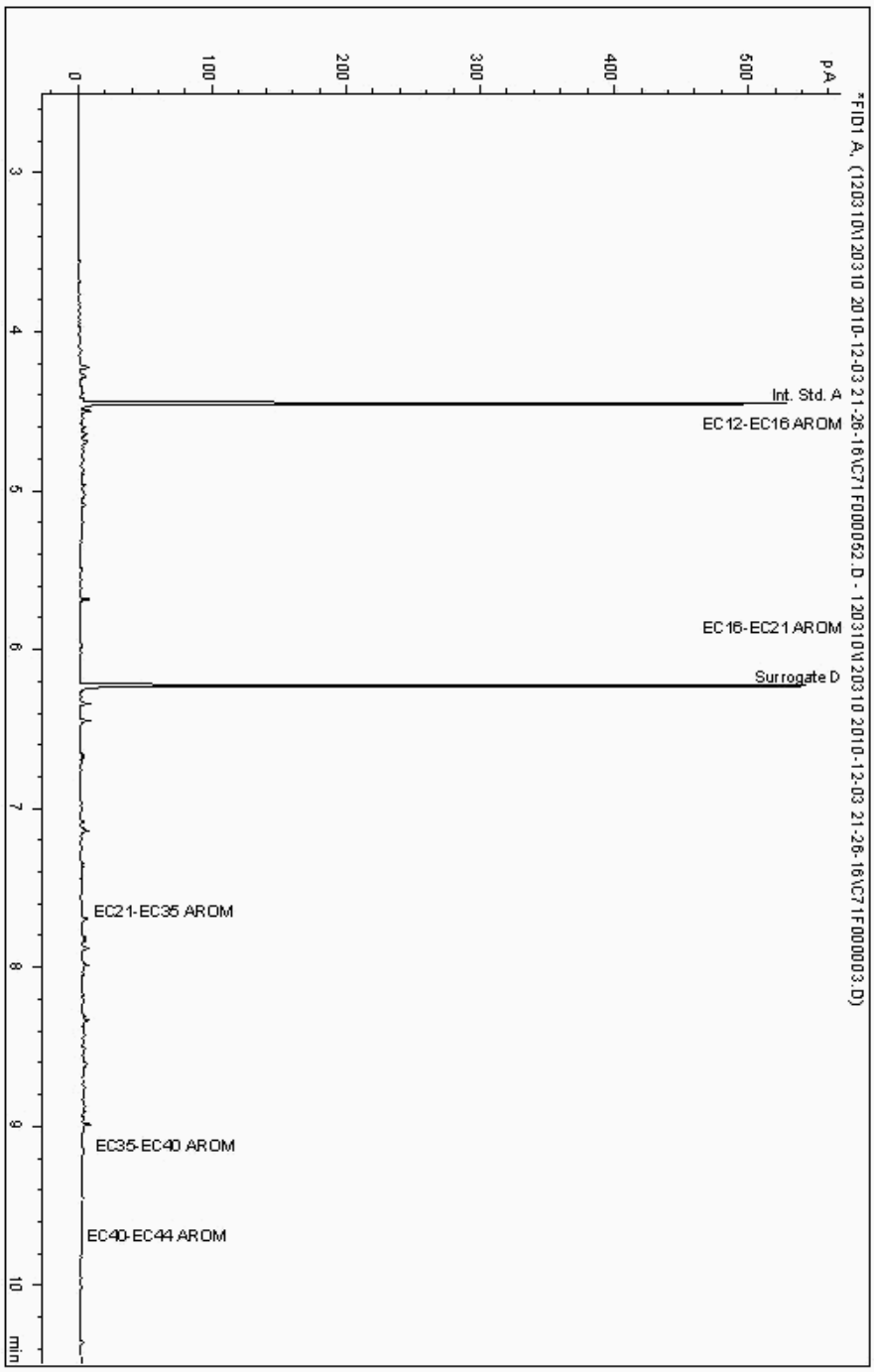
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2528062 **Depth :** 0.30
Sample ID : D69

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

Sample Identity: 2599068-2528062
Date Acquired : 04/12/10 23:25:46
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

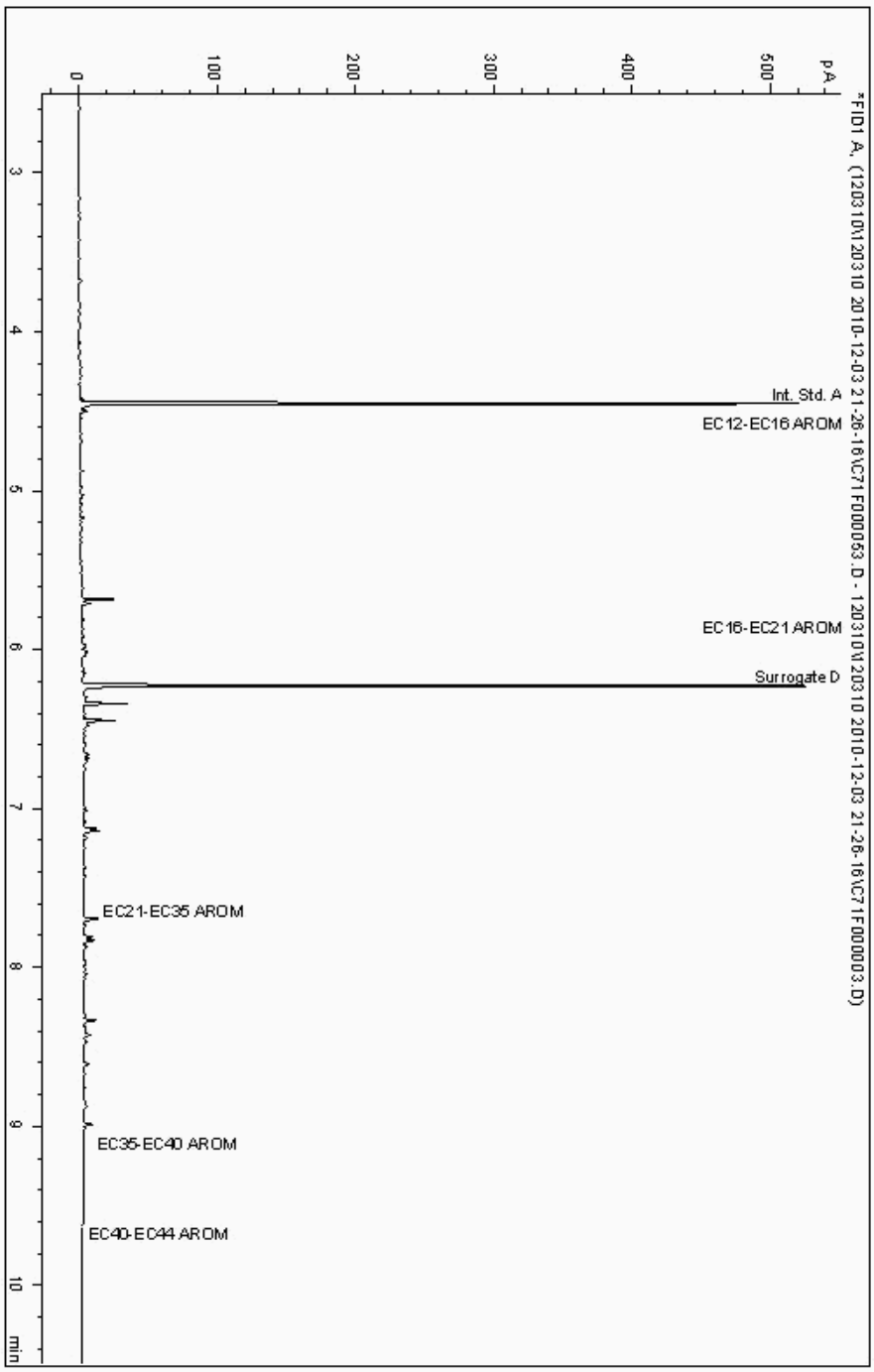
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2528199
Sample ID : CRUSH33

Depth :

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

Sample Identity: 2598352-2528199
Date Acquired : 04/12/10 23:46:22
Units : ppb
Dilution :
CF : 1
Multiplier : 1.010



CERTIFICATE OF ANALYSIS

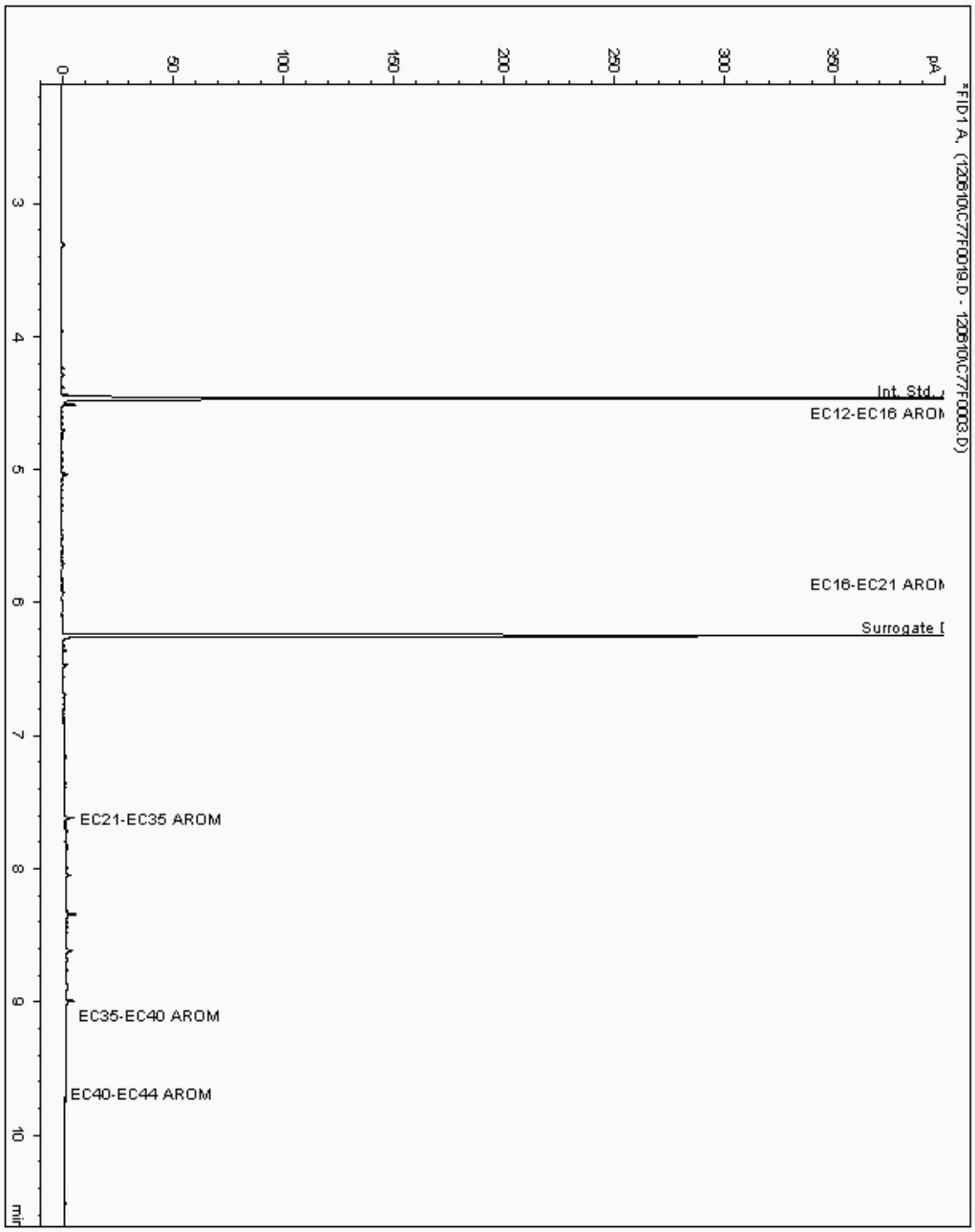
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2530397
Sample ID : CRUSH34

Depth :



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

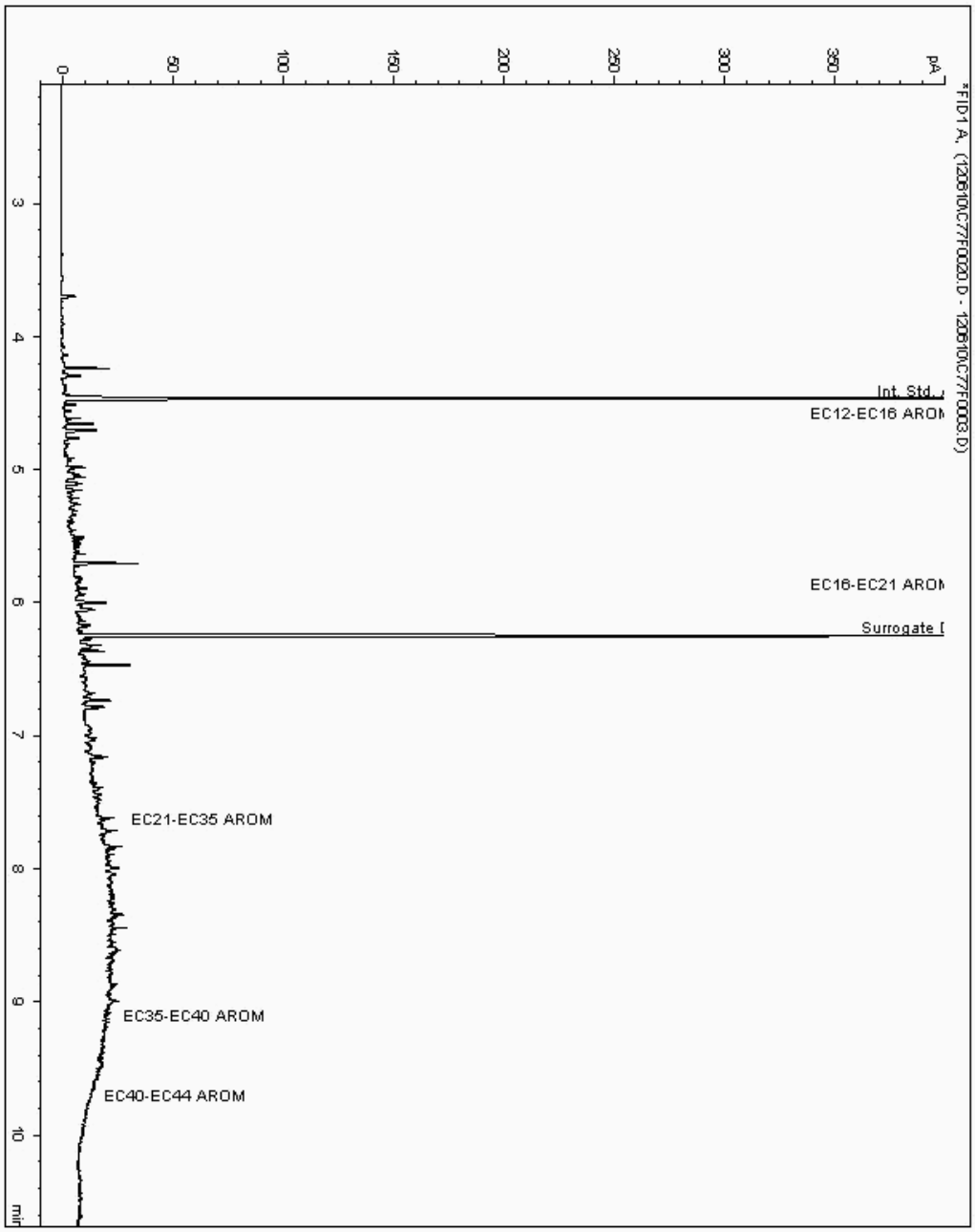
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2530399 **Depth :** 0.30

Sample ID : D47

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

Sample Identity: 2598552-2530399
Date Acquired : 06/12/10 15:44:05 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

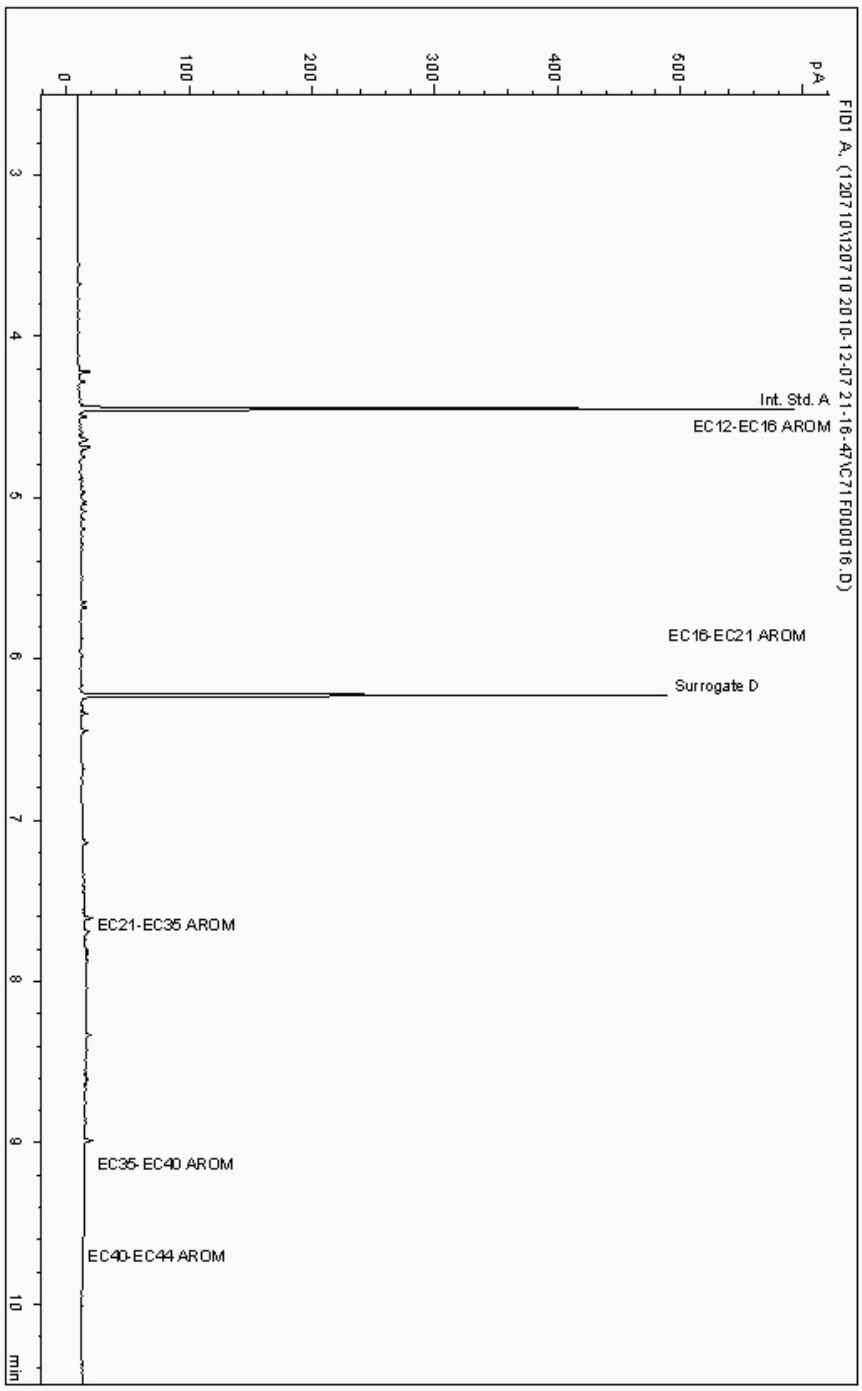
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2541040 **Depth :** 0.40

Sample ID : TB5

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

Sample Identity: 2624331-2541040
Date Acquired : 08/12/10 01:48:57
Units : ppb
Dilution :
CF : 1
Multiplier : 0.962



CERTIFICATE OF ANALYSIS

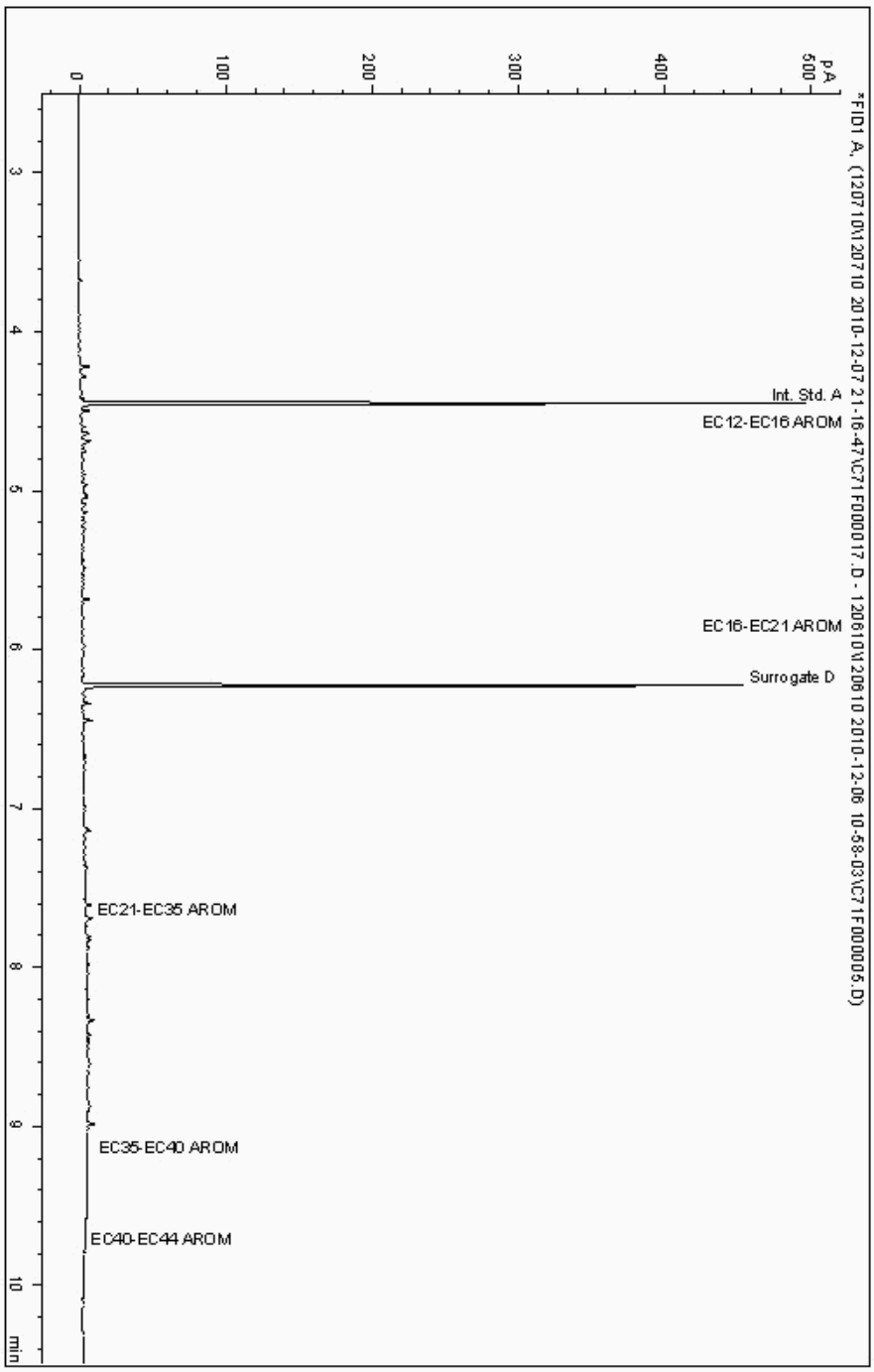
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 2541042 **Depth :** 0.40
Sample ID : D49

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

Sample Identity: 2624346-2541042
Date Acquired : 08/12/10 02:09:24
Units : ppb
Dilution :
CF : 1
Multiplier : 1.018



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

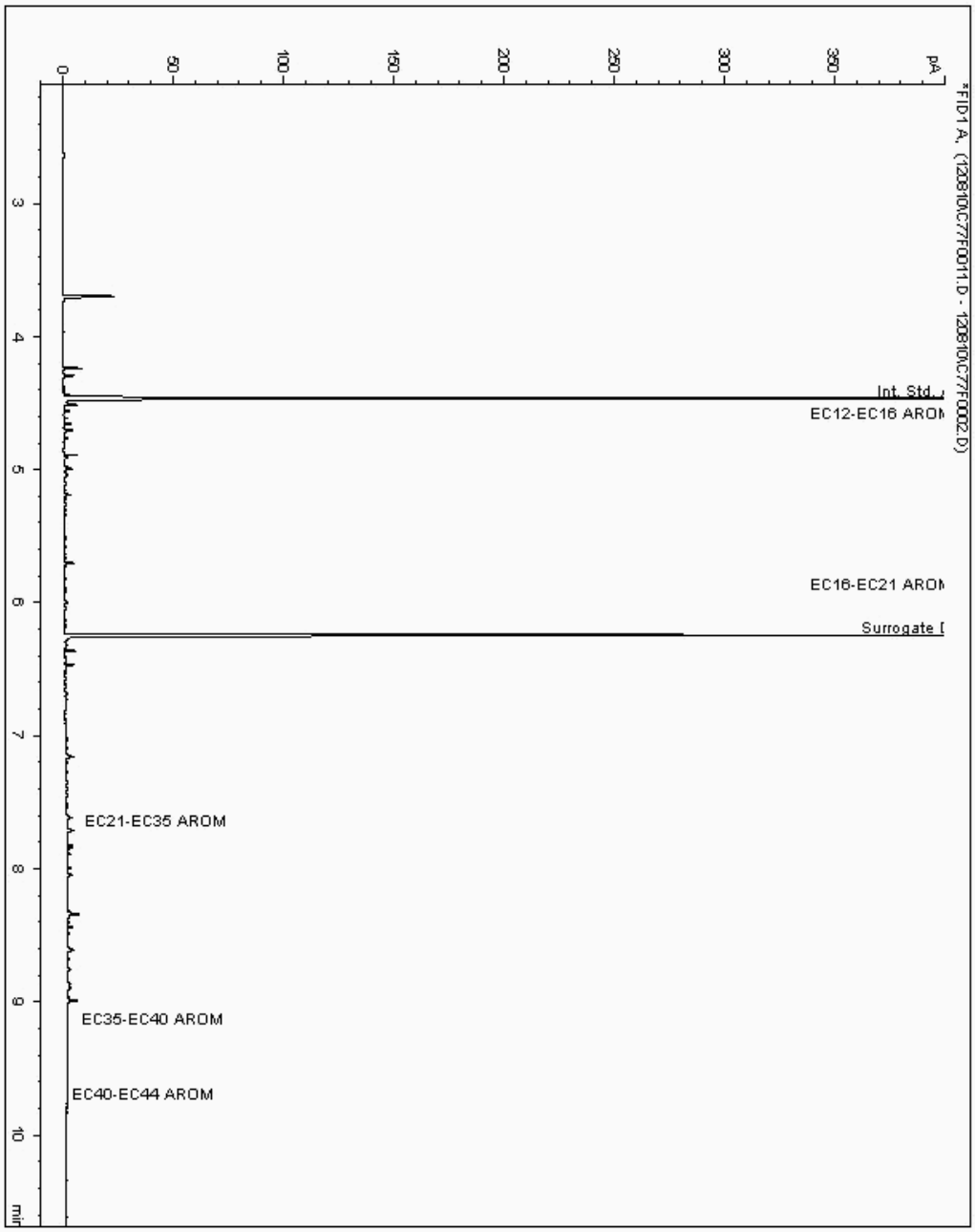
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2542390
Sample ID : D91

Depth : 0.20

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

Sample Identity: 2628341-2542390
Date Acquired : 08/12/10 12:59:33 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

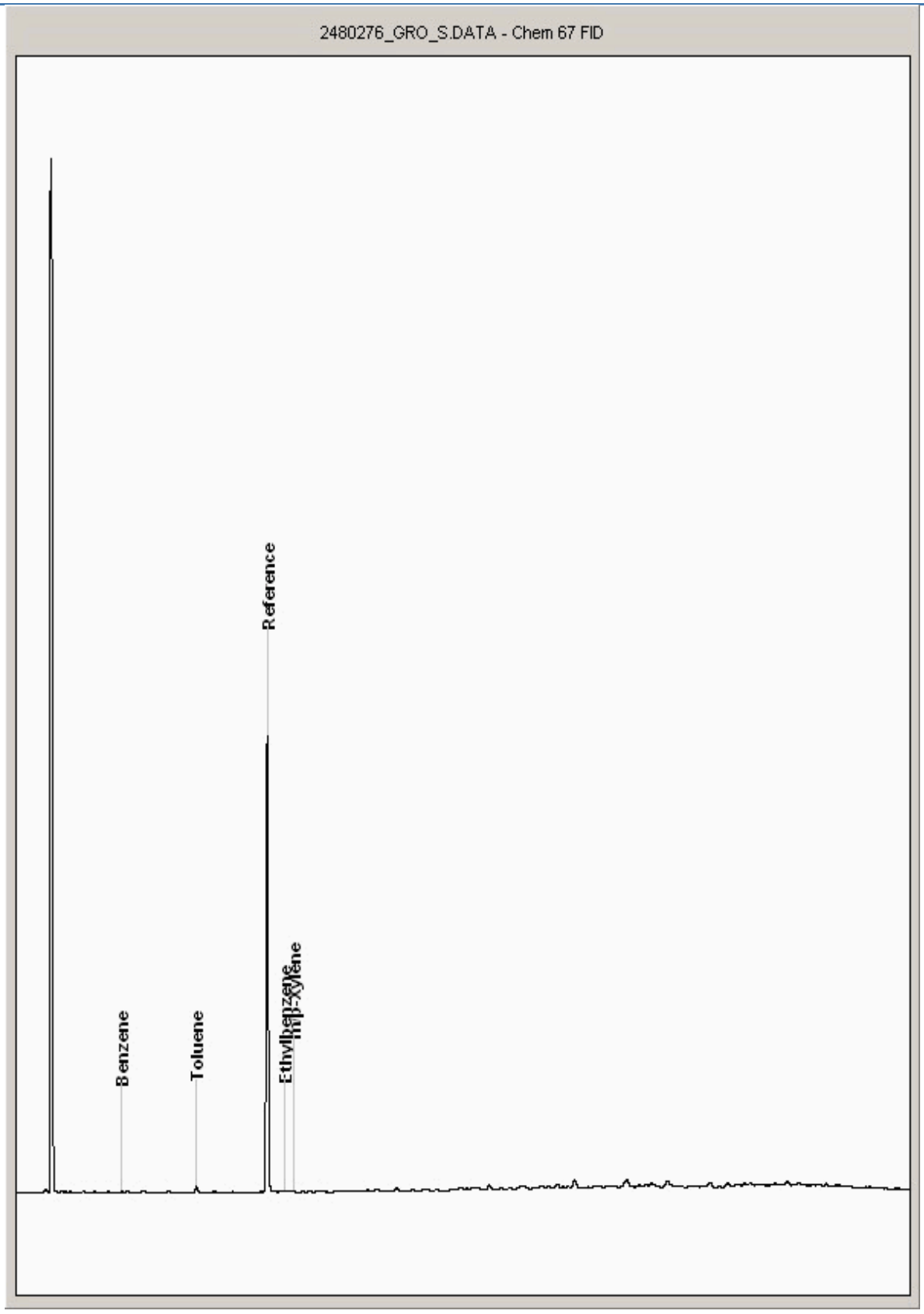
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2480276
Sample ID : TB2

Depth : 0.40



CERTIFICATE OF ANALYSIS

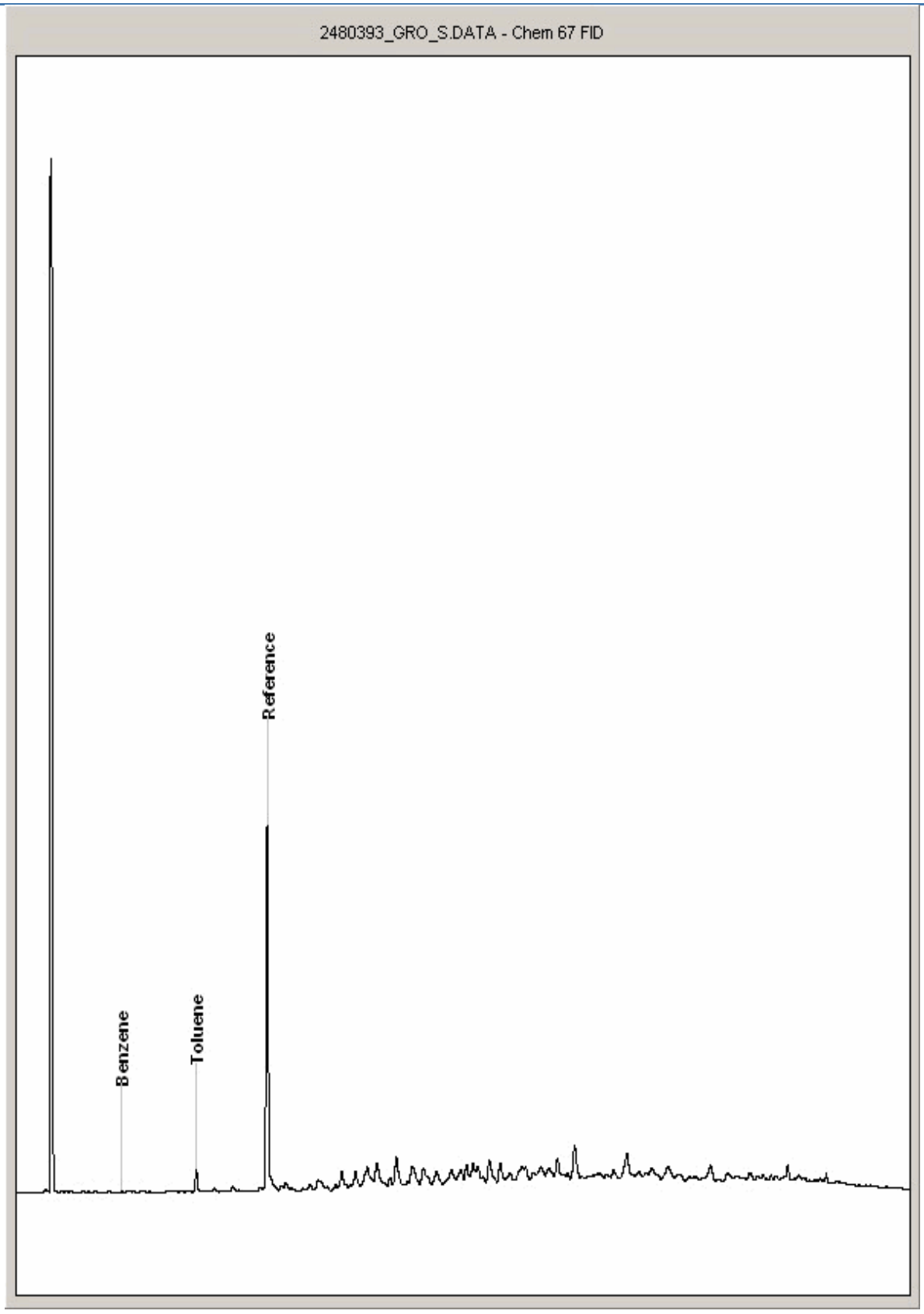
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2480393
Sample ID : TB5

Depth : 0.40



CERTIFICATE OF ANALYSIS

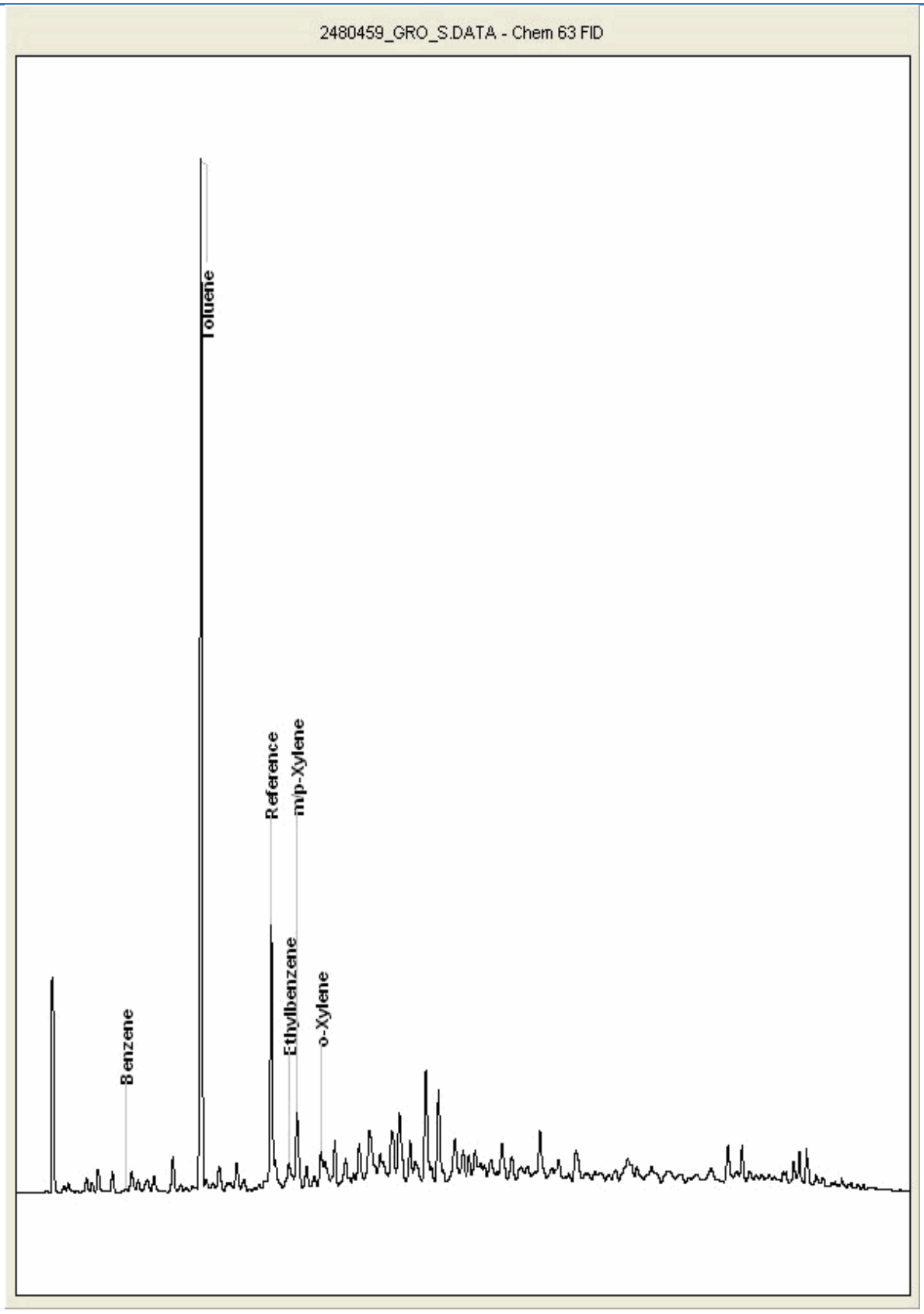
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2480459
Sample ID : TB5

Depth : 1.20



CERTIFICATE OF ANALYSIS

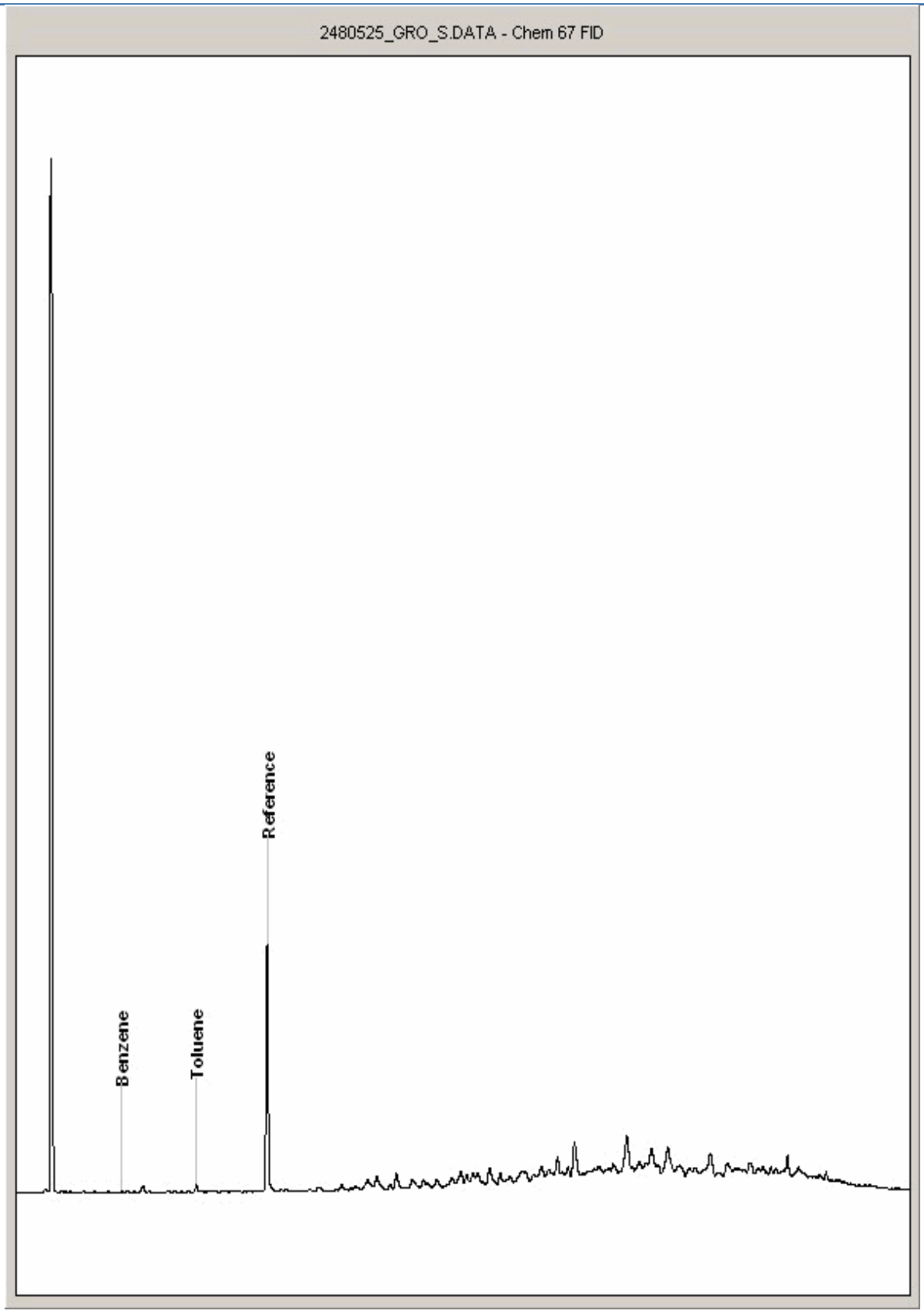
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2480525
Sample ID : D49

Depth : 0.40



CERTIFICATE OF ANALYSIS

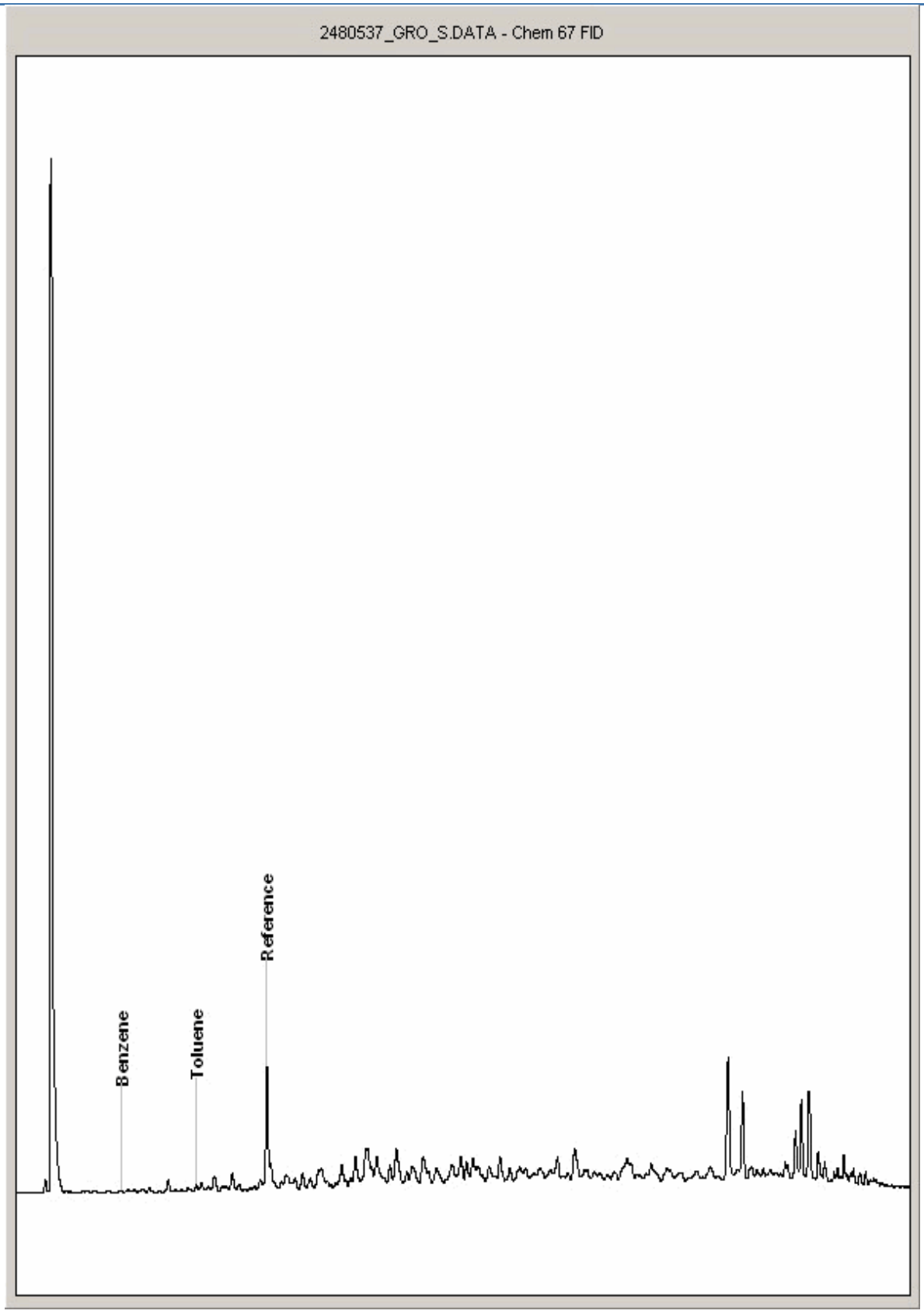
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2480537
Sample ID : D49

Depth : 0.80



CERTIFICATE OF ANALYSIS

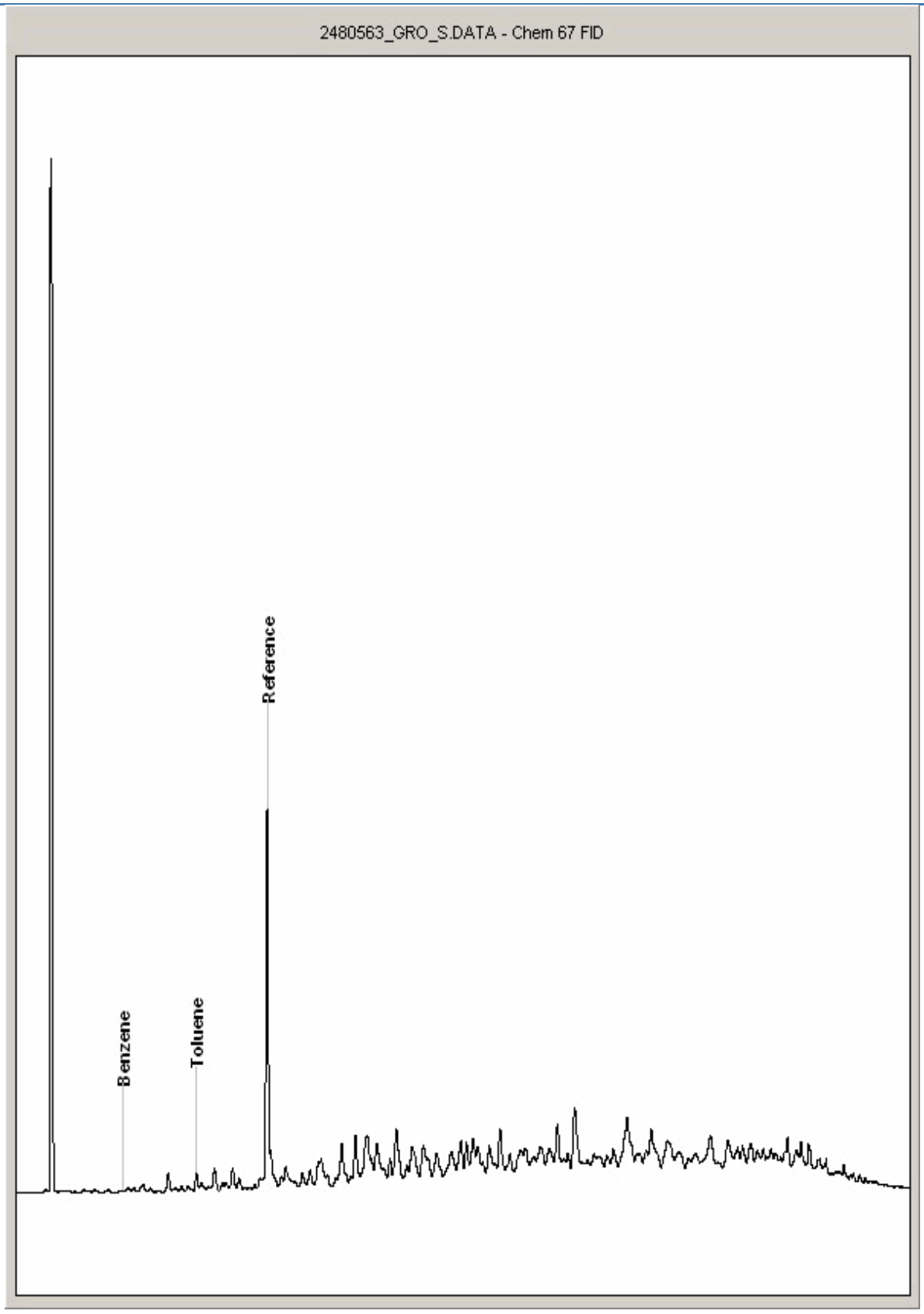
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2480563
Sample ID : D48

Depth : 0.10



CERTIFICATE OF ANALYSIS

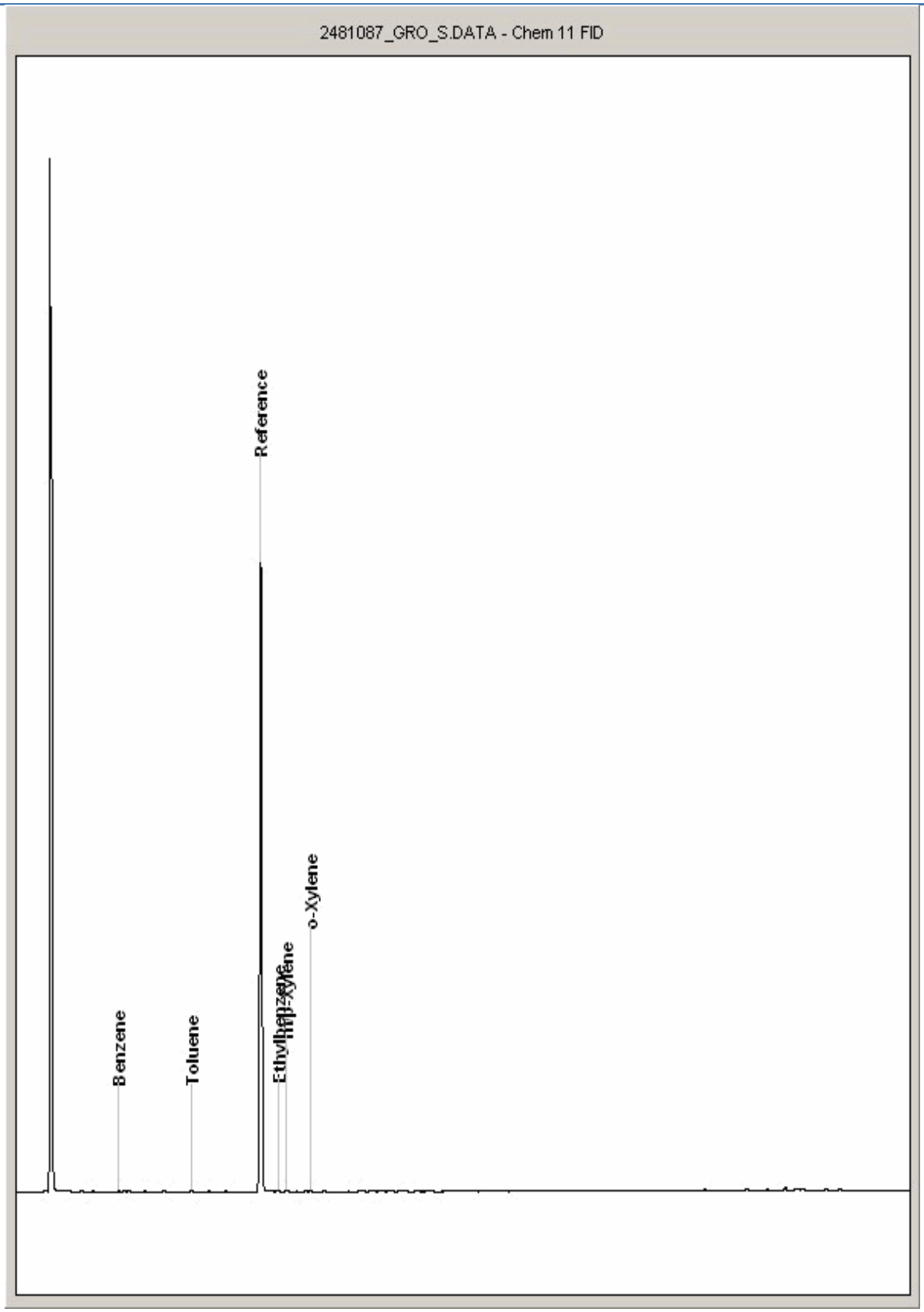
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2481087
Sample ID : CRUSH34

Depth :



CERTIFICATE OF ANALYSIS

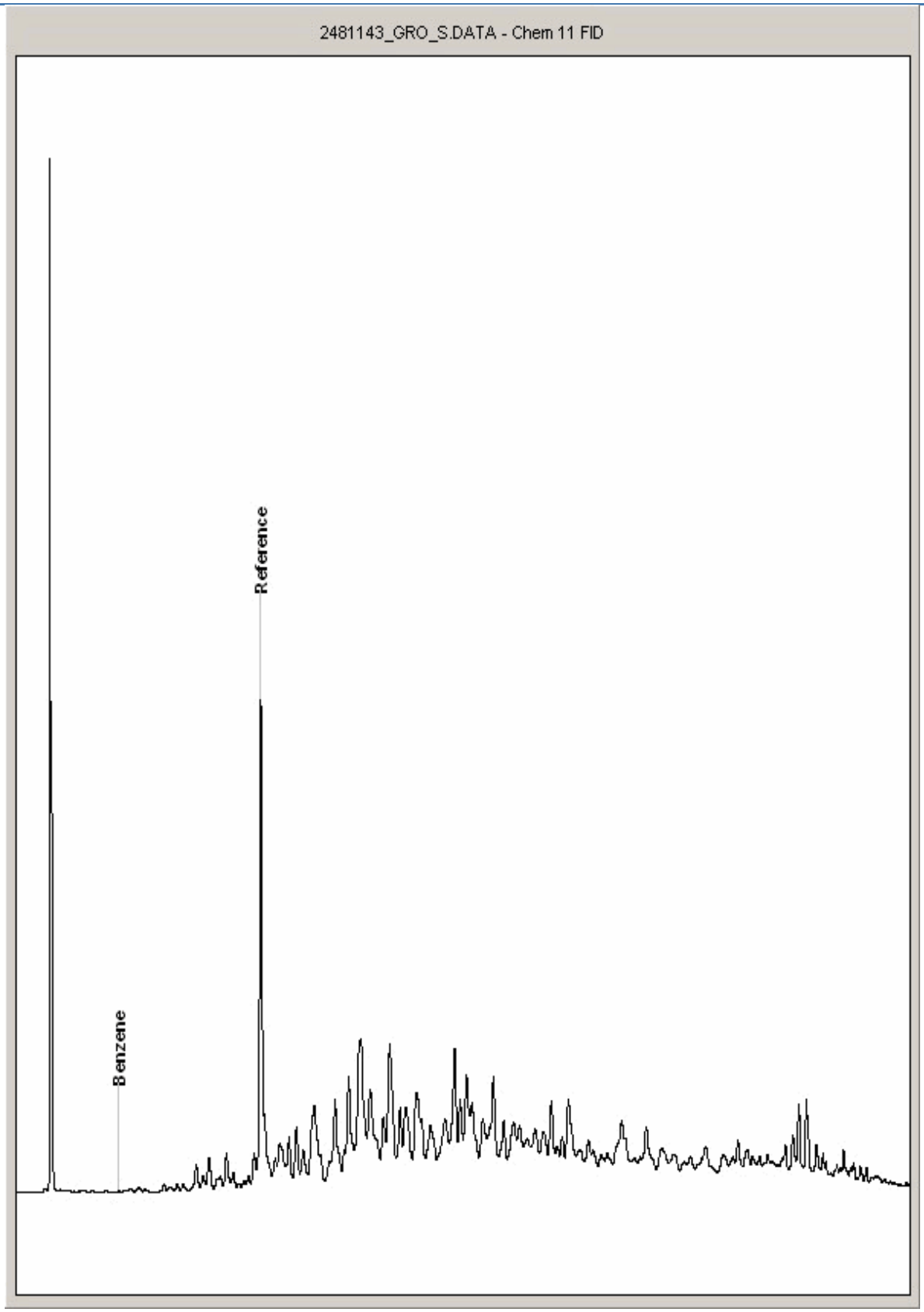
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2481143
Sample ID : D32

Depth : 1.20



CERTIFICATE OF ANALYSIS

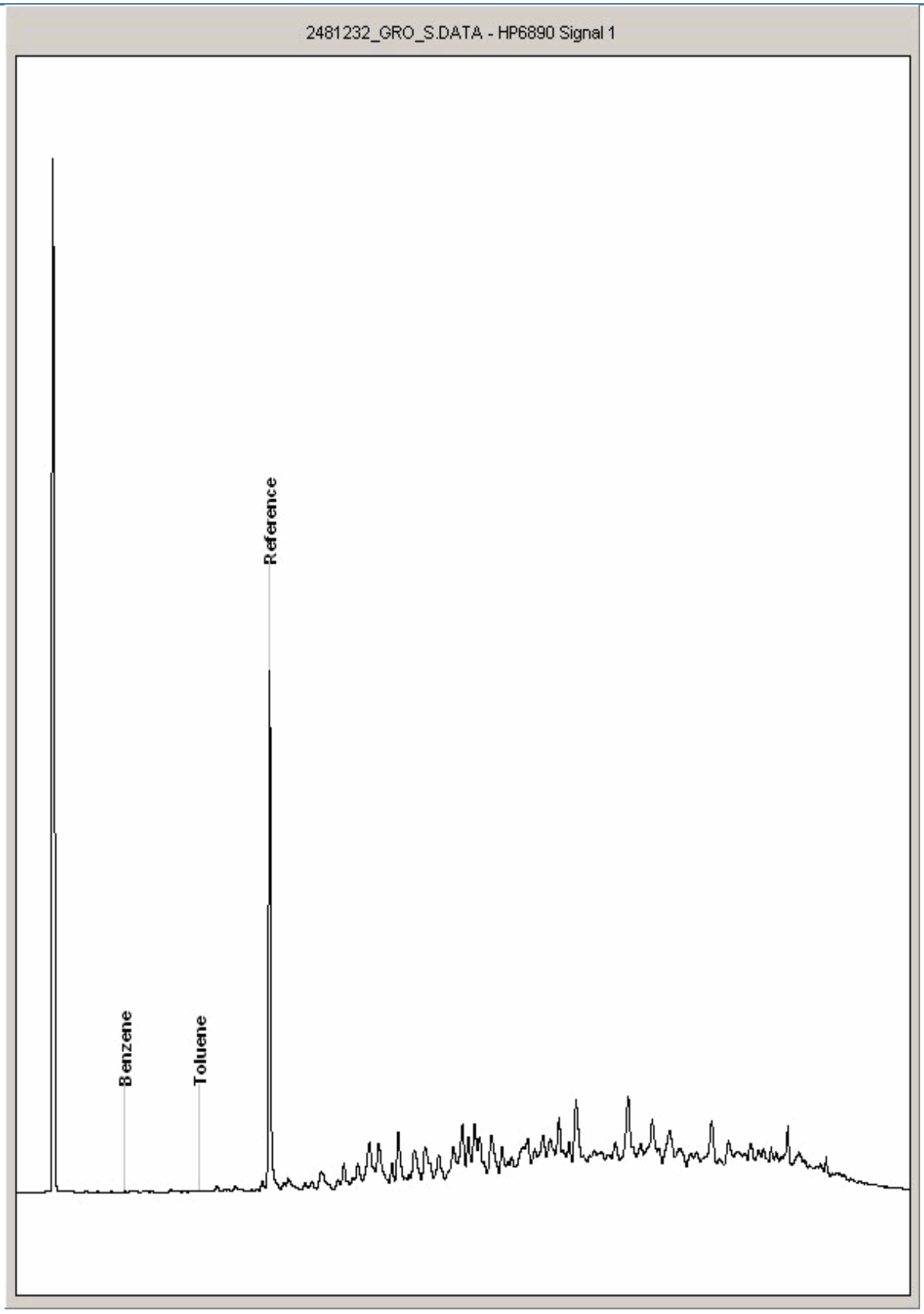
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2481232
Sample ID : D32

Depth : 0.80



CERTIFICATE OF ANALYSIS

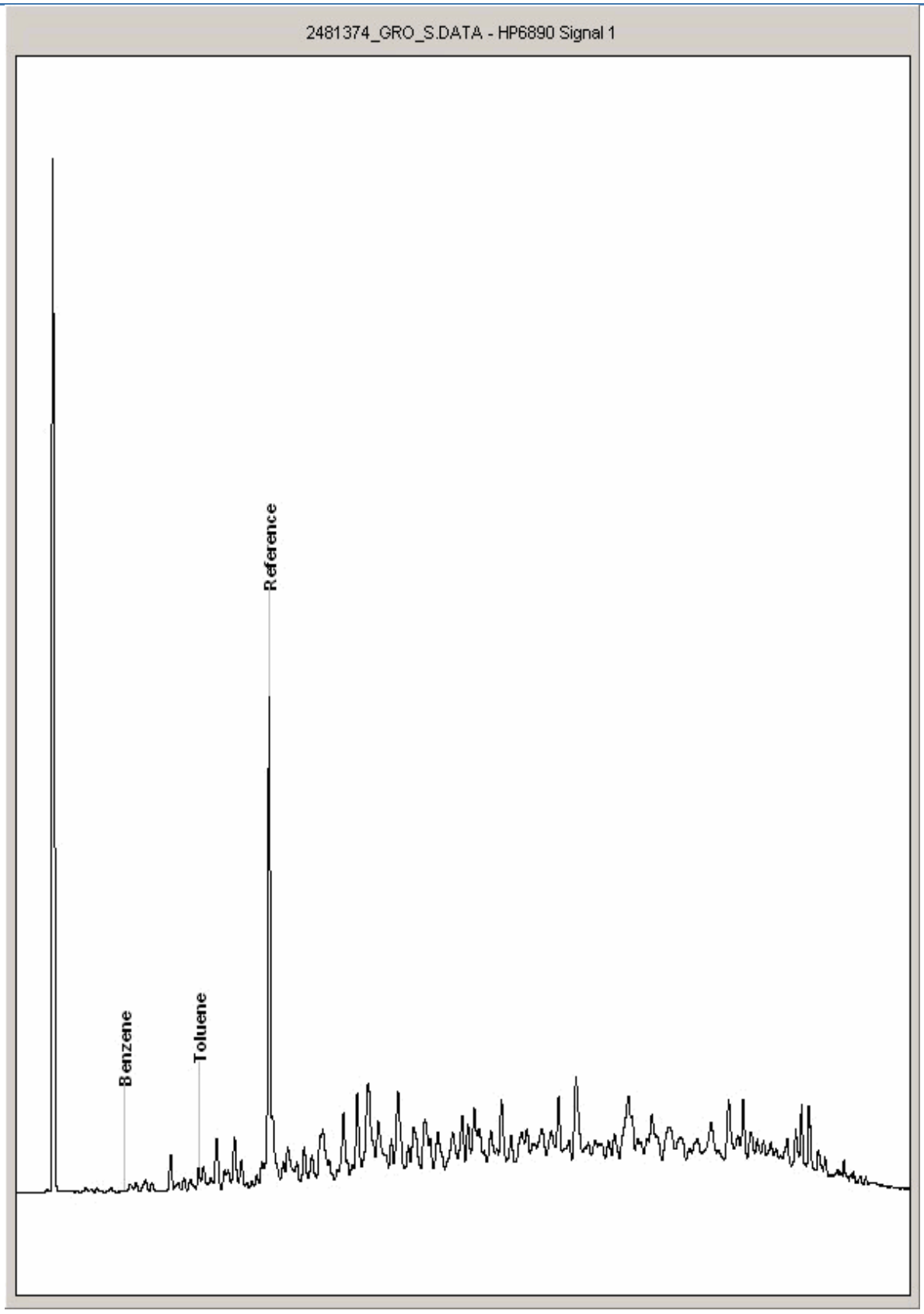
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2481374
Sample ID : D48

Depth : 0.80



CERTIFICATE OF ANALYSIS

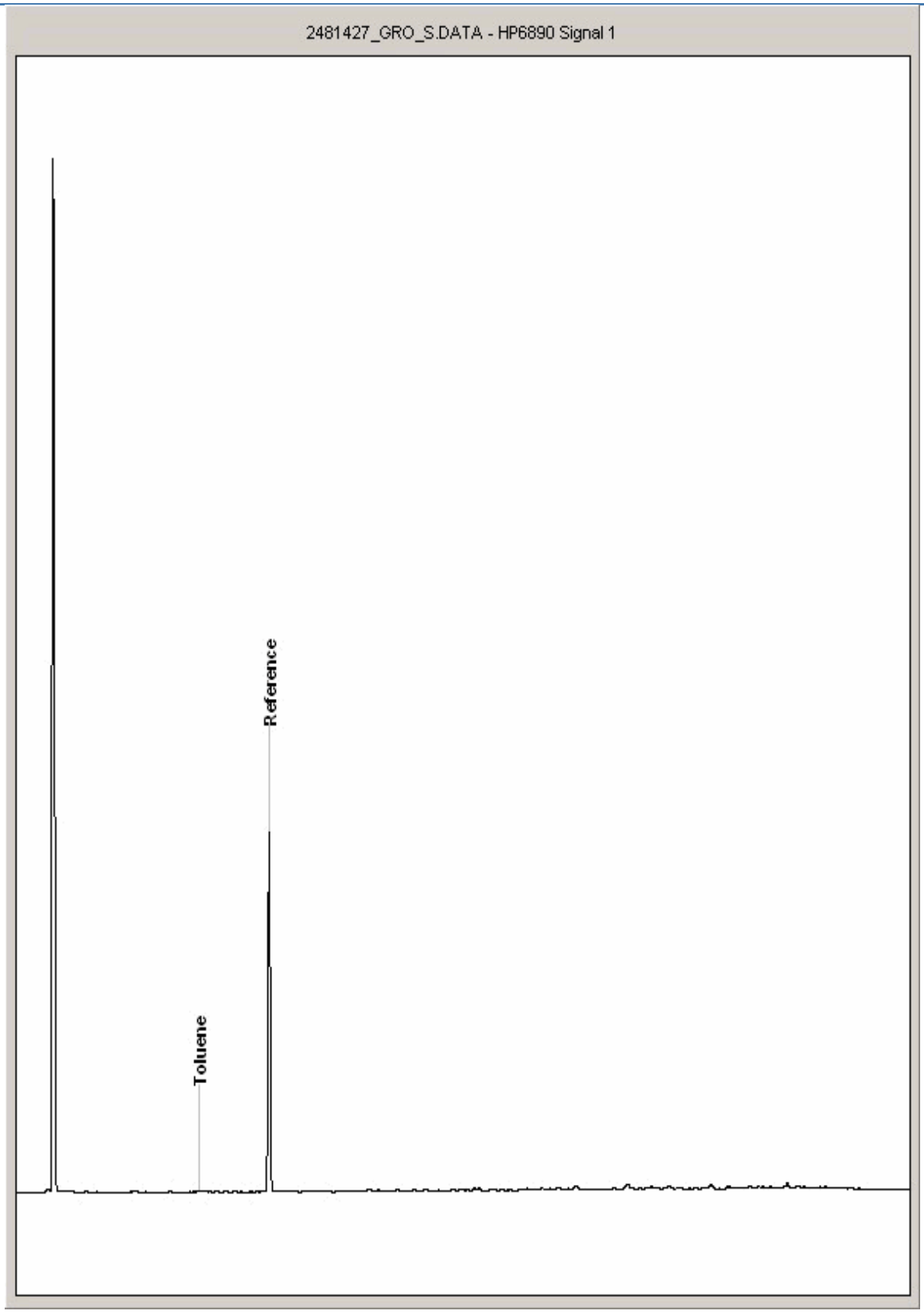
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2481427
Sample ID : D47

Depth : 0.30



CERTIFICATE OF ANALYSIS

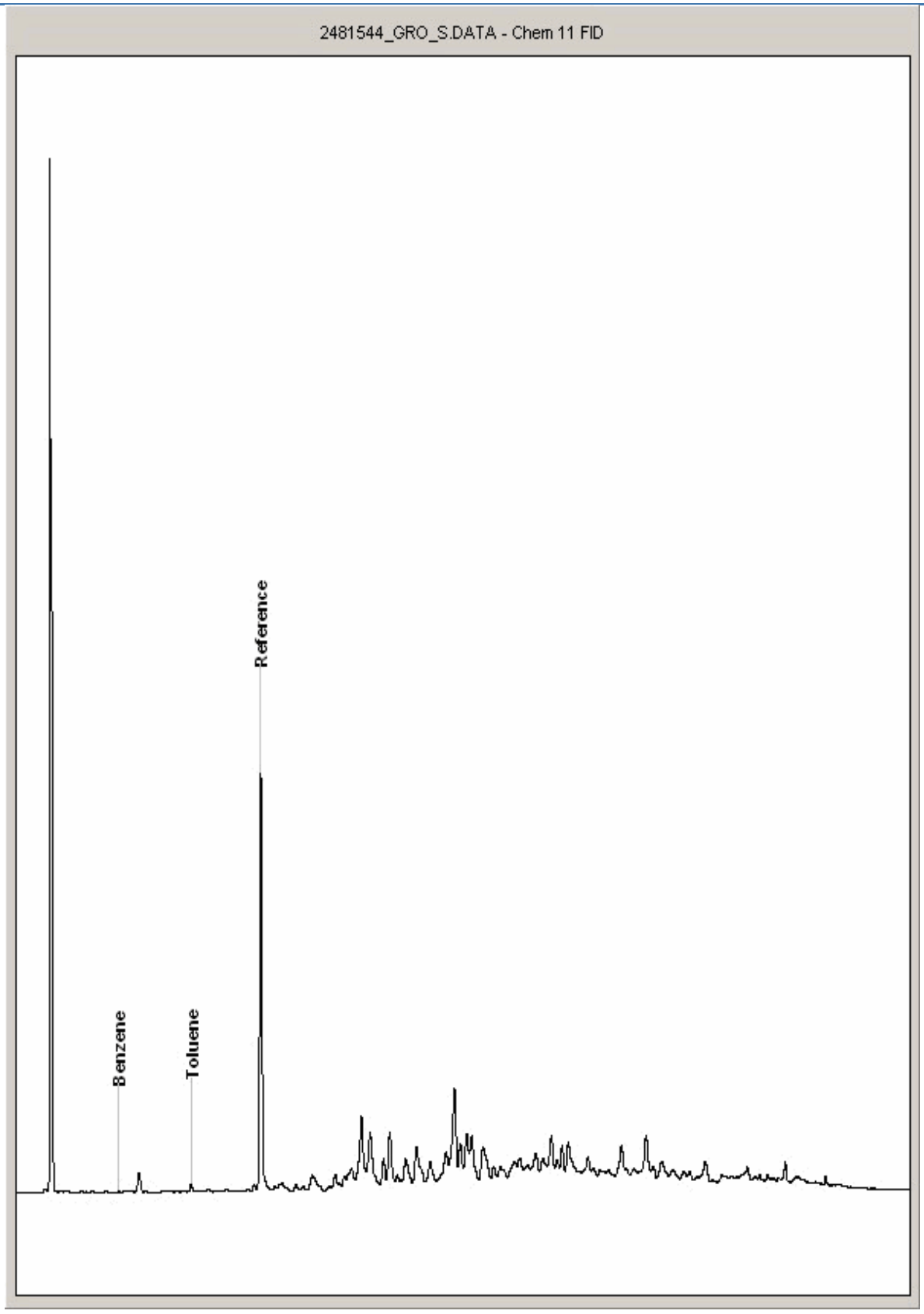
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2481544
Sample ID : D91

Depth : 0.20



CERTIFICATE OF ANALYSIS

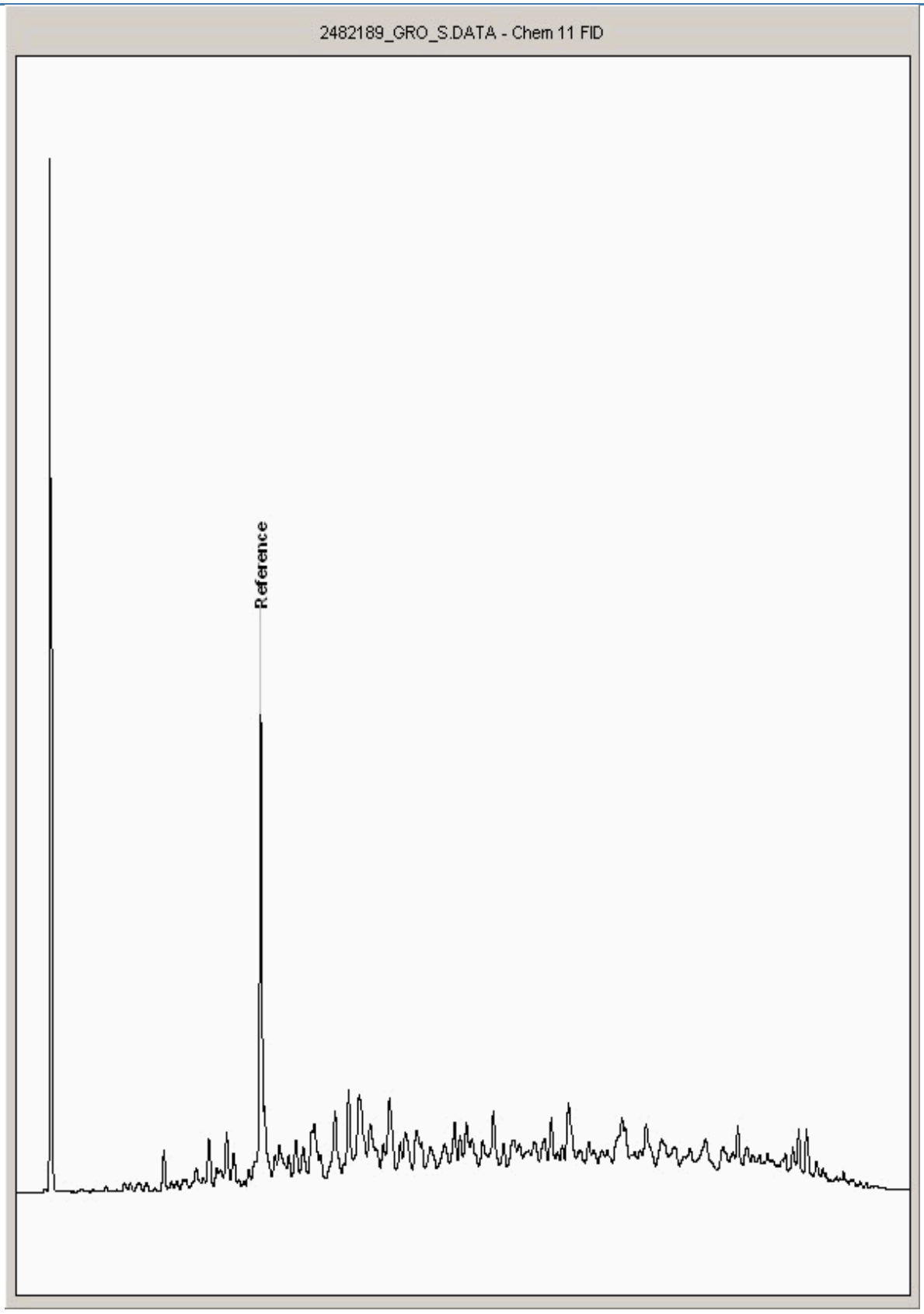
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482189
Sample ID : D50

Depth : 0.30



CERTIFICATE OF ANALYSIS

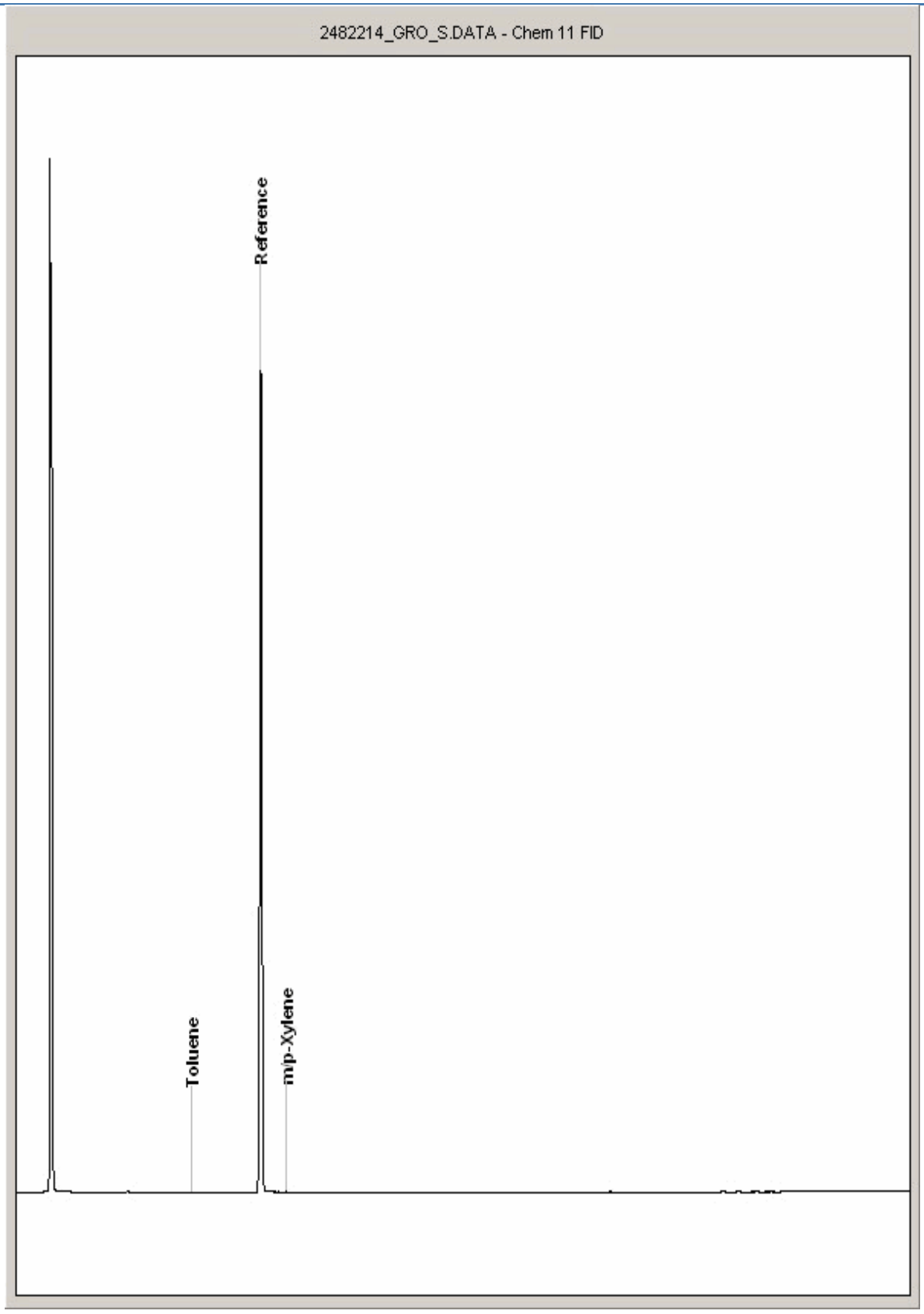
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482214
Sample ID : D54

Depth : 0.70



CERTIFICATE OF ANALYSIS

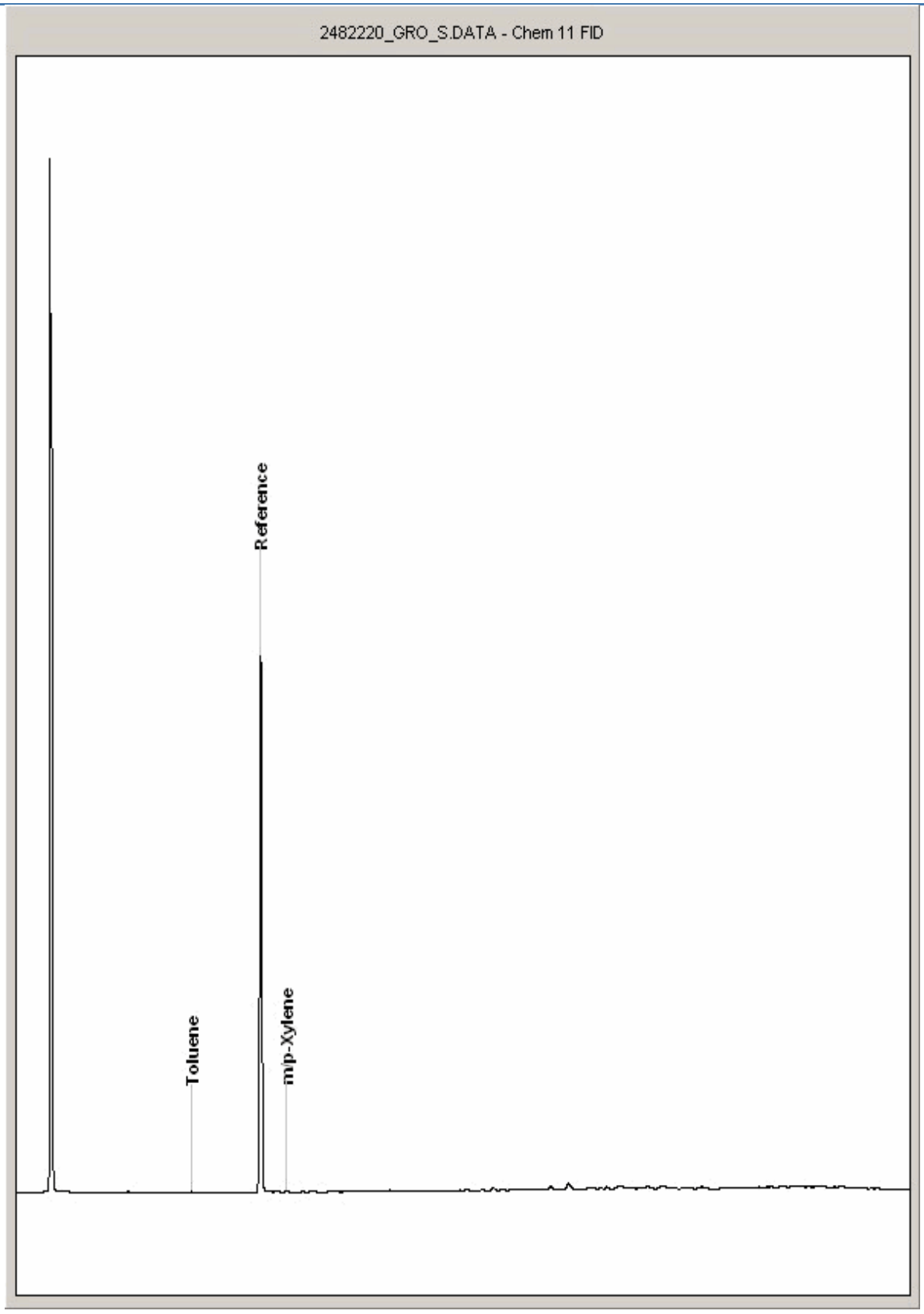
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482220
Sample ID : D55

Depth : 0.10



CERTIFICATE OF ANALYSIS

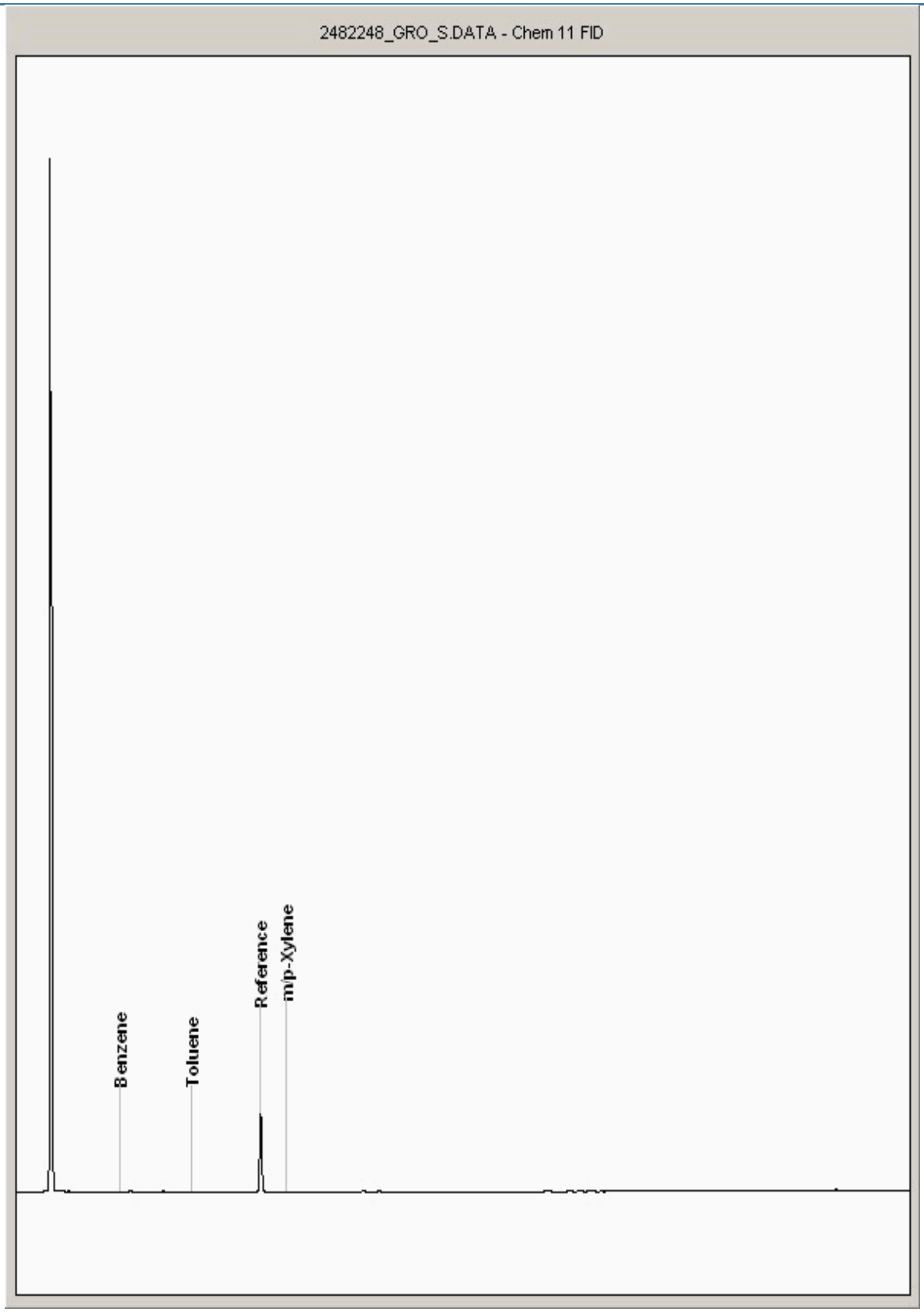
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482248
Sample ID : D59

Depth : 0.10



CERTIFICATE OF ANALYSIS

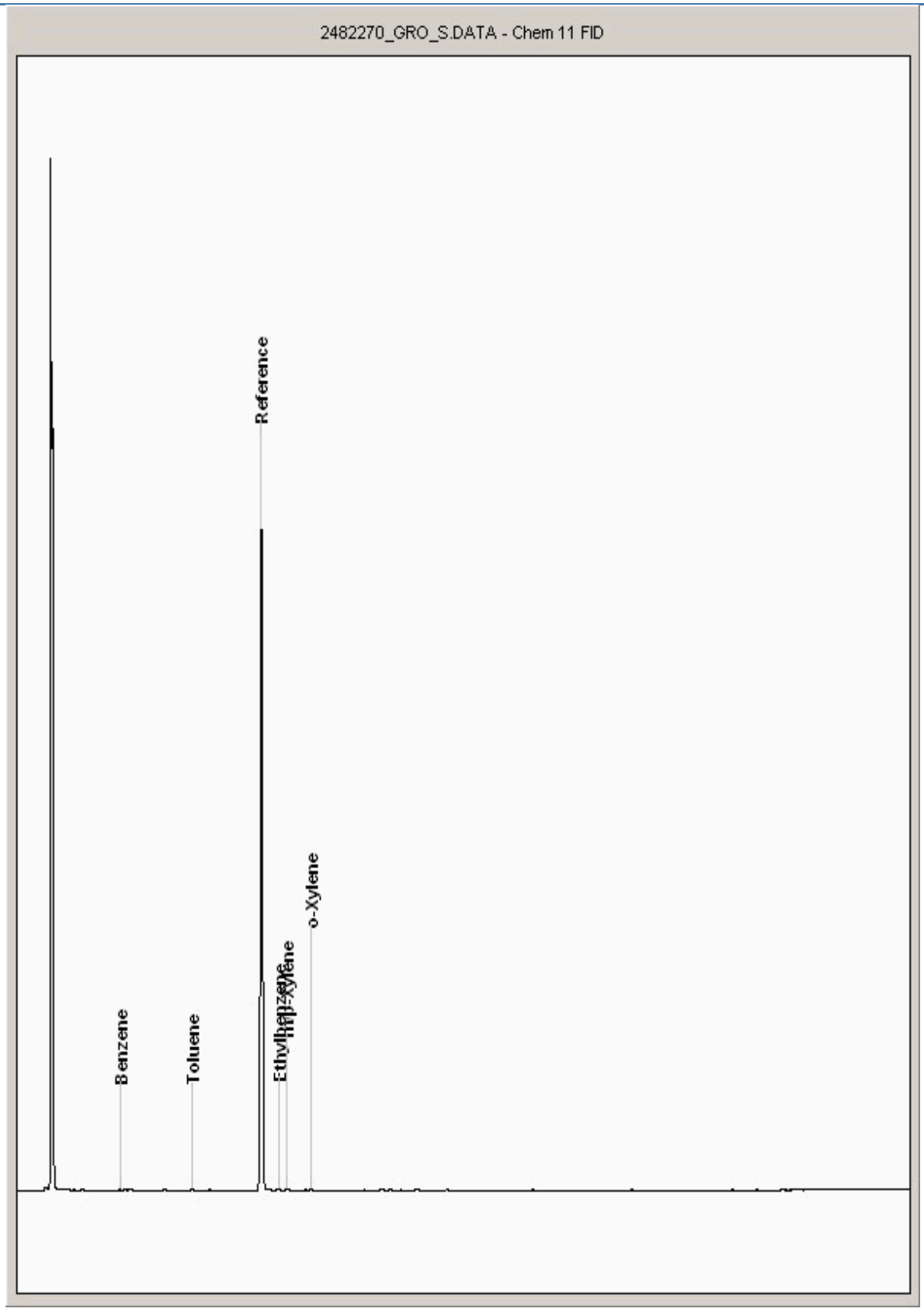
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482270
Sample ID : CRUSH35

Depth :



CERTIFICATE OF ANALYSIS

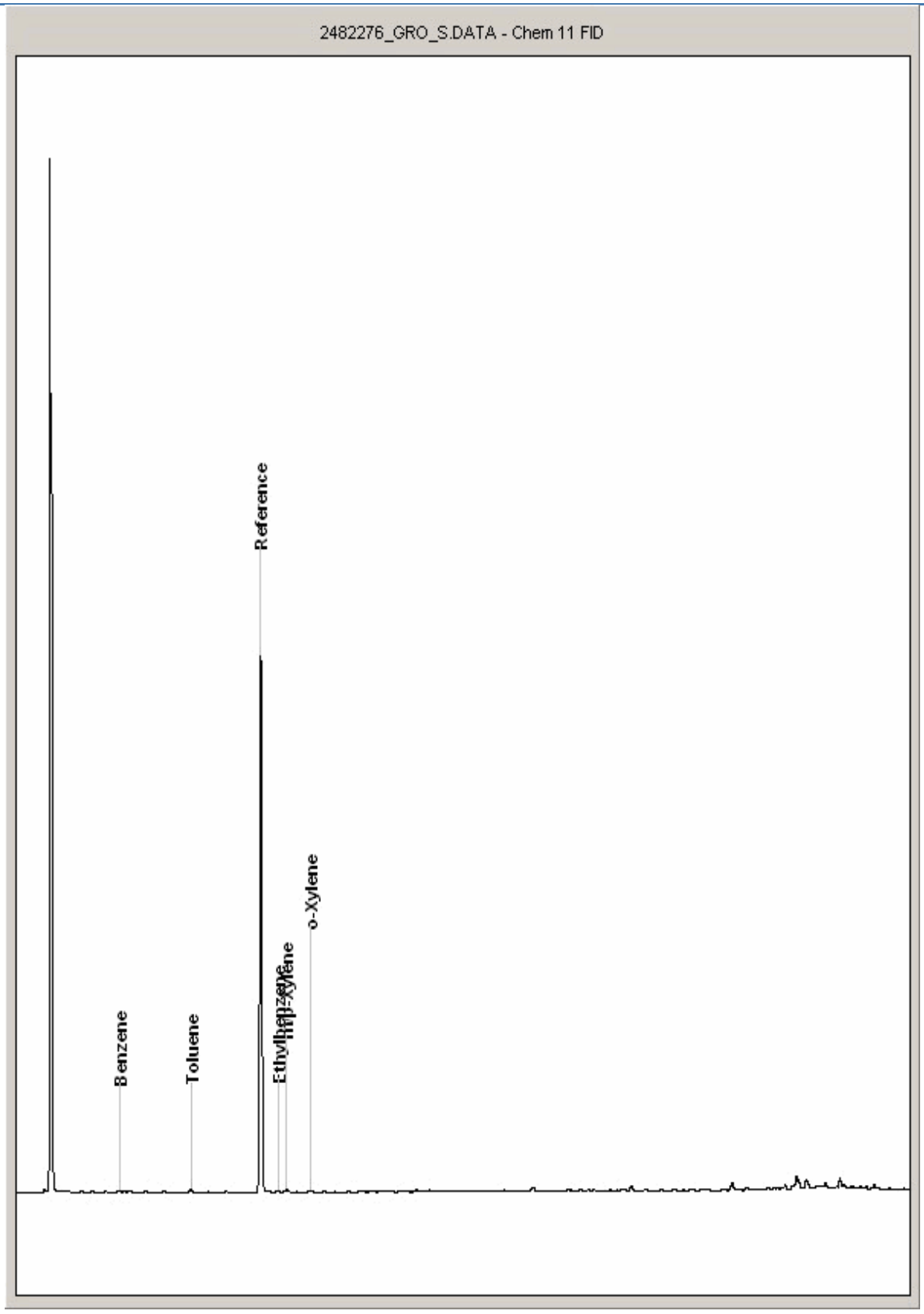
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482276
Sample ID : CRUSH33

Depth :



CERTIFICATE OF ANALYSIS

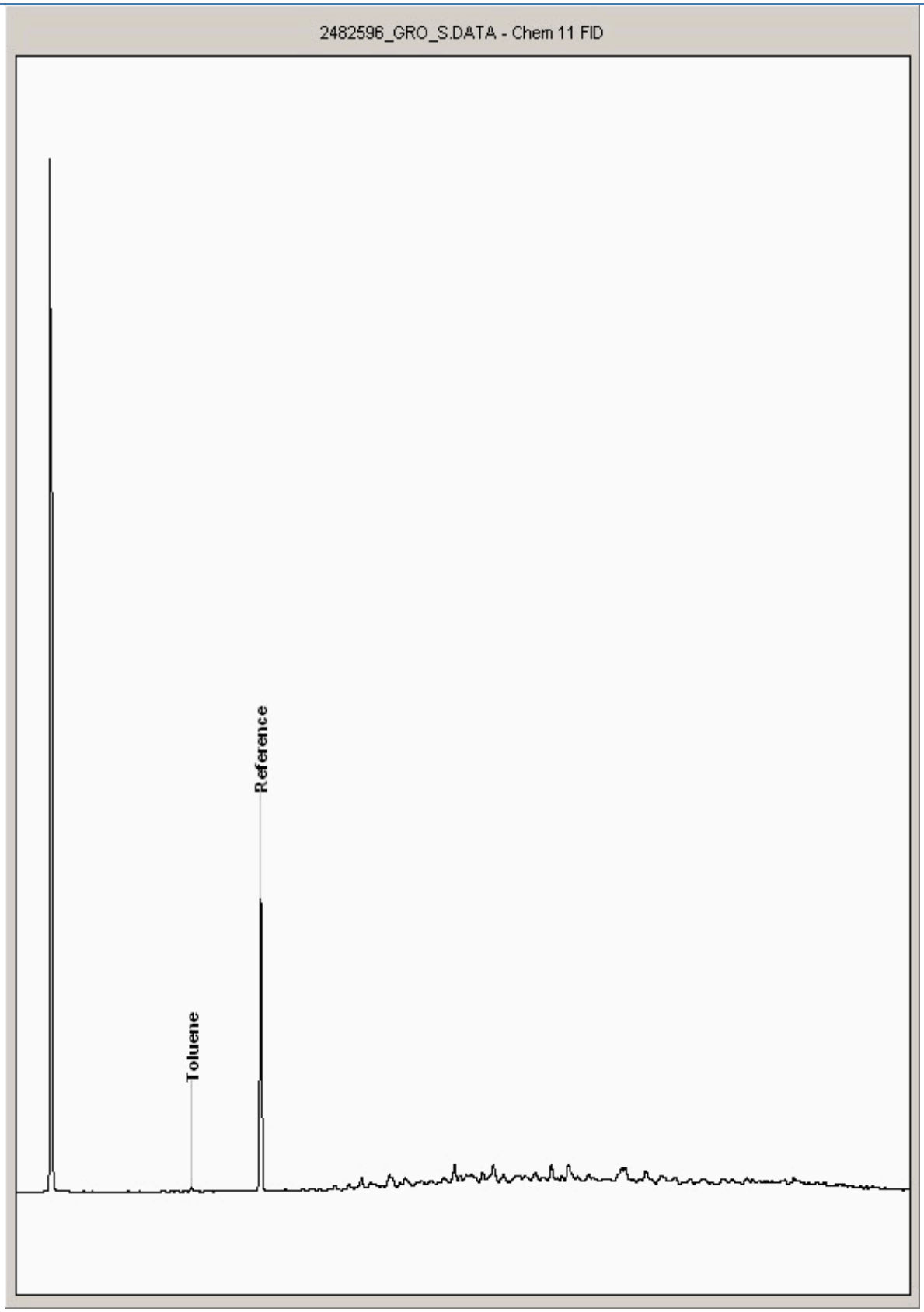
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482596
Sample ID : D61

Depth : 0.30



CERTIFICATE OF ANALYSIS

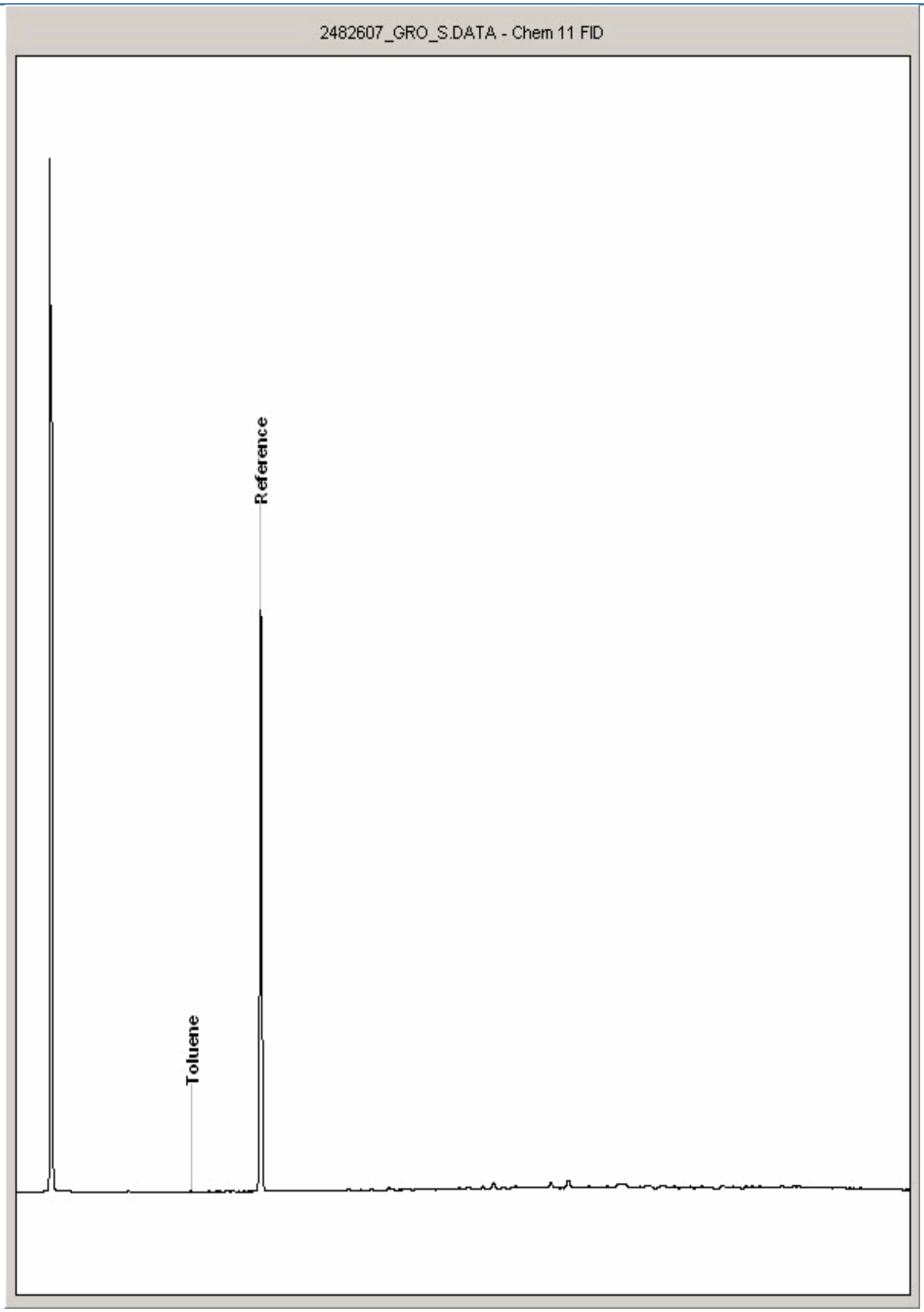
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482607
Sample ID : D62

Depth : 0.10



CERTIFICATE OF ANALYSIS

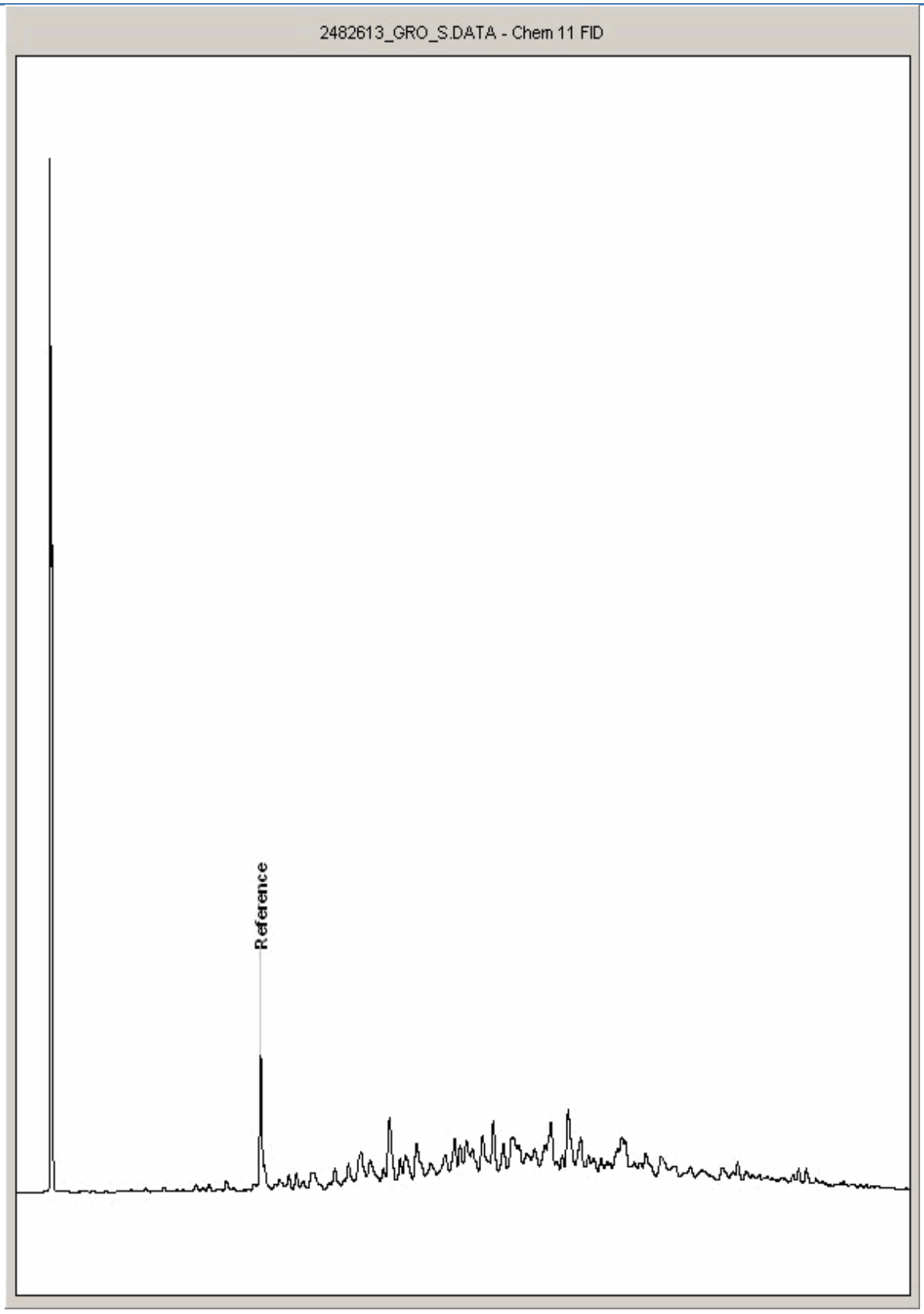
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482613
Sample ID : D66

Depth : 0.10



CERTIFICATE OF ANALYSIS

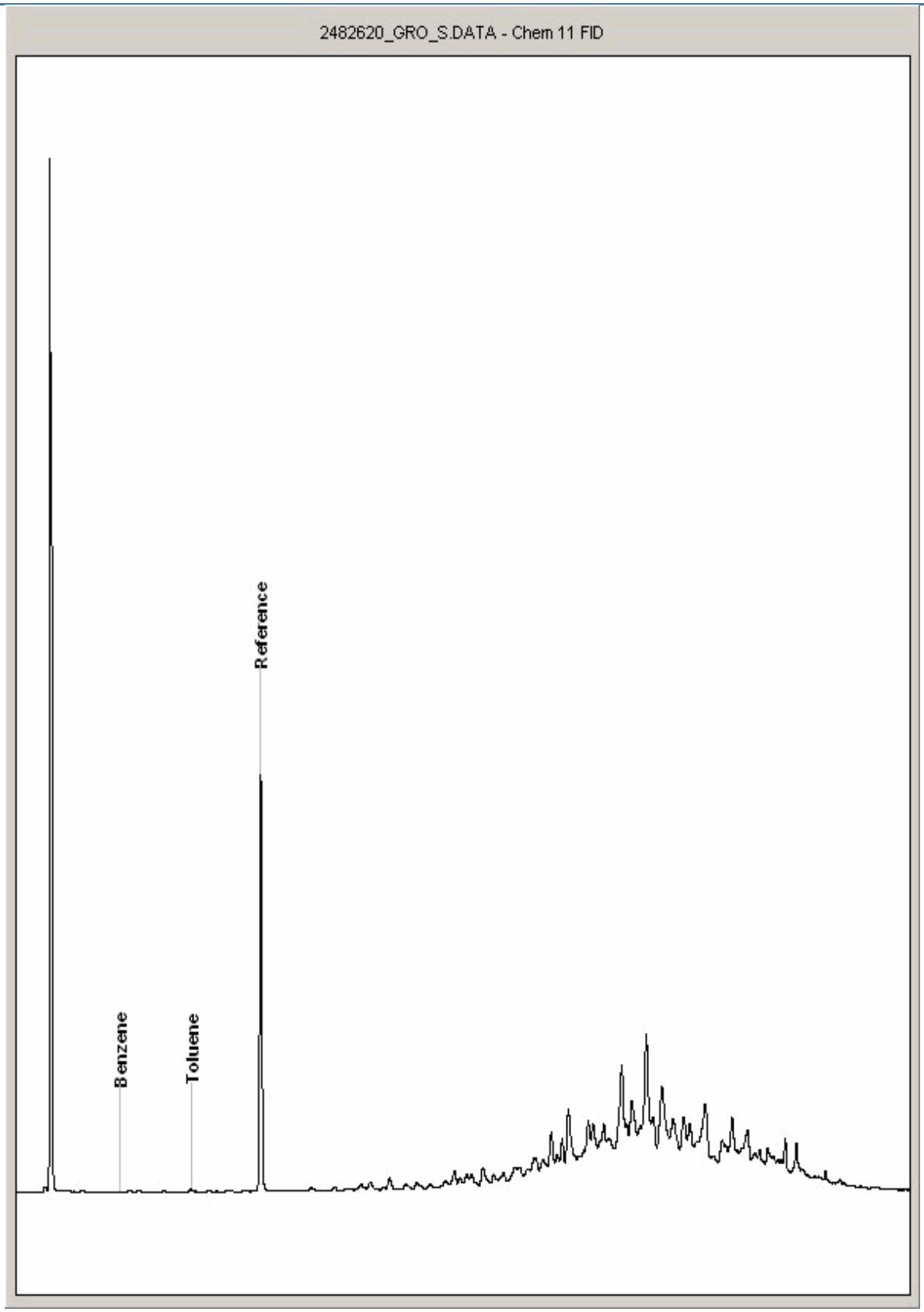
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482620
Sample ID : D69

Depth : 1.10



CERTIFICATE OF ANALYSIS

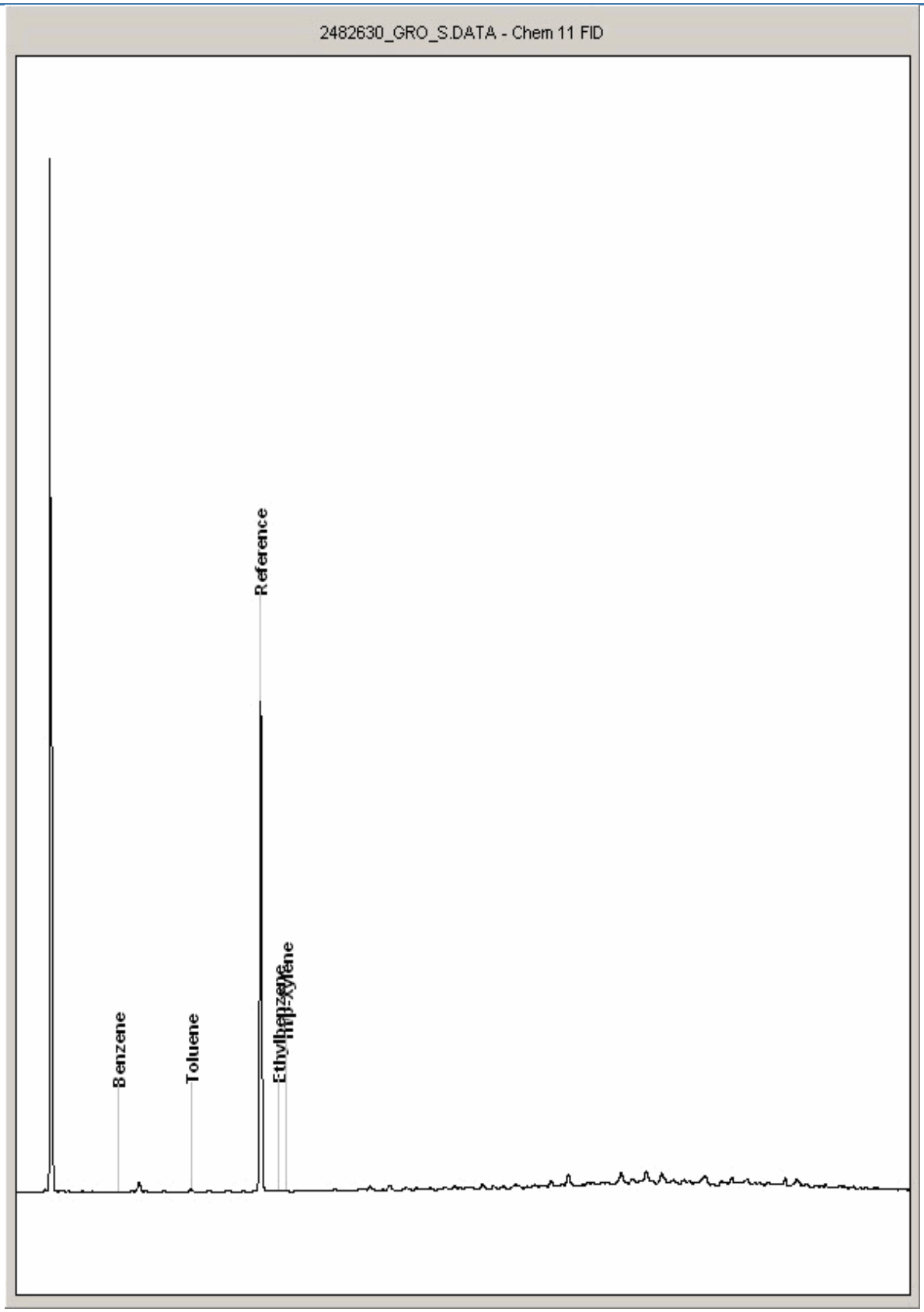
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482630
Sample ID : D69

Depth : 0.30



CERTIFICATE OF ANALYSIS

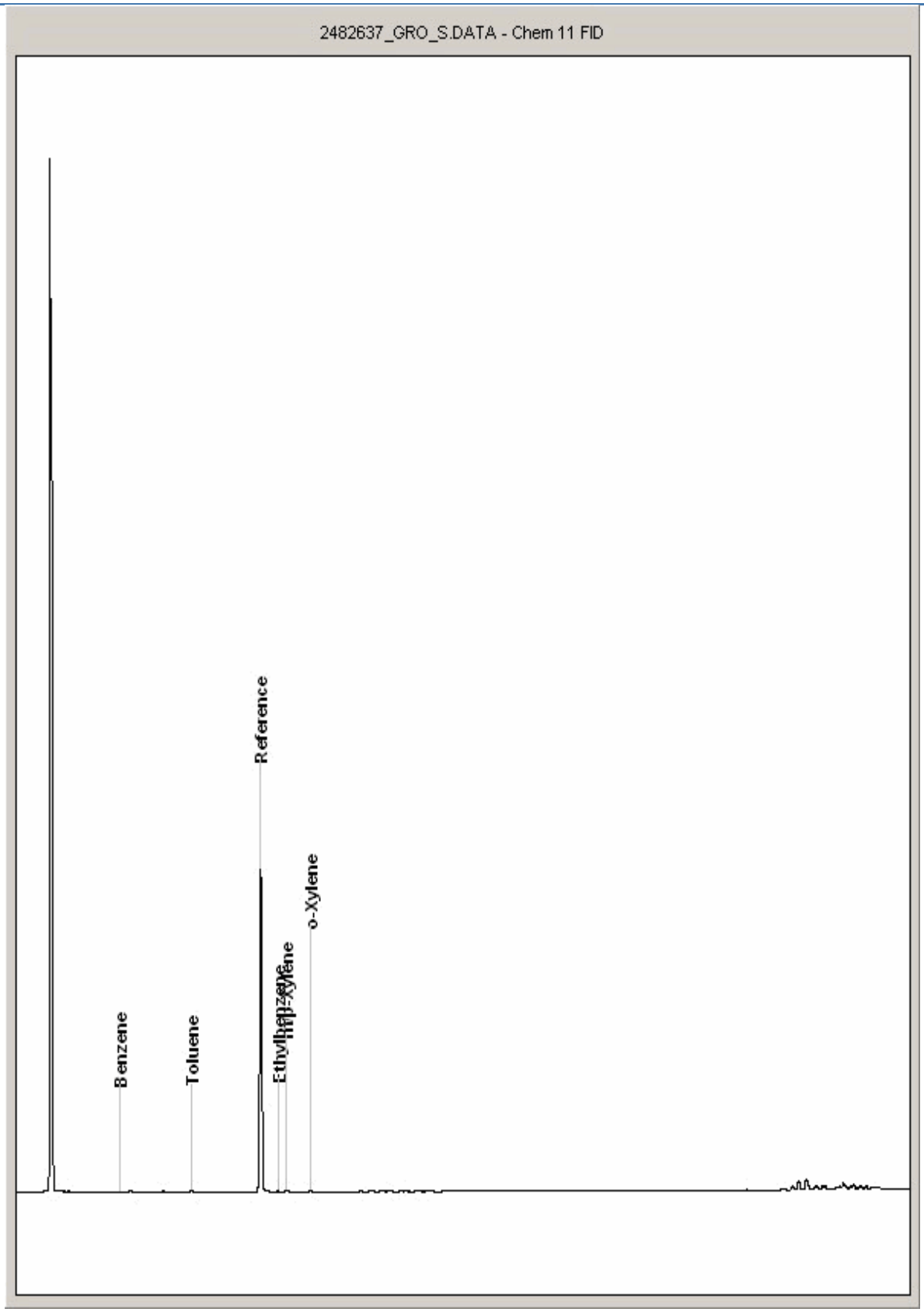
SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2482637
Sample ID : D67

Depth : 0.40



CERTIFICATE OF ANALYSIS

SDG:	101125-112	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0069
Job:	H_ATKINS_LDC-83	**Customer:**	Atkins Coed Darcy	**Report Number:**	107579
Client Reference:	Crush. D Block II and Tech Building	**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

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

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

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.

7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample -similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.

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

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

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

11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.

12. Results relate only to the items tested

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

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

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

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).

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

18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not
accredited.

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

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

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

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

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

24. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 -C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
THIN LAYER CHROMATOGRAPHY	D&C	DCM	SOXTHERM	IATROSCAN
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE/ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE/ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE/ACETONE	END OVER END	GC-FID
PCB TOT / PCB CON	D&C	HEXANE/ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE/ACETONE	MICROWAVE TM218.	GC-MS
C8-C40 (C8-C40) EZ FLASH	WET	HEXANE/ACETONE	SHAKER	GC-EZ
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE/ACETONE	SHAKER	GC-EZ
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM/ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

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

Identification of Asbestos in Bulk Materials

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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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:	14 February 2011
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	110207-15
Your Reference:	CBL,,36 inch, NSR IX, API OUT and Crush
Location:	Coed Darcy Urban Village
Report No:	115589

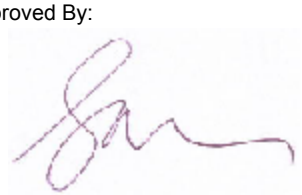
We received 7 samples on Saturday February 05, 2011 and 7 of these samples were scheduled for analysis which was completed on Monday February 14, 2011. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

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

Approved By:



Sonia McWhan

Operations Manager

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:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
2815885	36"			04/02/2011
2815887	CBL SIPHON			04/02/2011
2815884	CRUSH 36			03/02/2011
2815883	CRUSH 37			03/02/2011
2815890	NSR IN			04/02/2011
2815886	NSR IN (EAST)			04/02/2011
2815888	NSR OUT			04/02/2011

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

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**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
			2815887	CBL SIPHON			1l green glass bottle
							1lplastic
							H2SO4
							Vial
			2815890	NSR IN			1l green glass bottle
							1lplastic
							Vial
			2815886	NSR IN (EAST)			1l green glass bottle
							1lplastic
							Vial
			2815888	NSR OUT			1l green glass bottle
							1lplastic
							Vial
			2815885	36"			1l green glass bottle
							1lplastic
							H2SO4
							Vial
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 5					X X X X X
Anions by Kone (w)	All	NDPs: 0 Tests: 5					X X X X X
BOD True Total	All	NDPs: 0 Tests: 5					X X X X X
COD Unfiltered	All	NDPs: 0 Tests: 5					X X X X X
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 5					X X X X X
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 5					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
pH Value	All	NDPs: 0 Tests: 5	X	X	X	X	X
Phenols by HPLC (W)	All	NDPs: 0 Tests: 1	X				
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 4	X	X	X	X	X
Total Suspended Solids	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: 4	X	X	X	X	X

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	2815884	2815883
			Customer Sample Reference	CRUSH 36	CRUSH 37
			AGS Reference		
			Depth (m)		
			Container	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 2		X			X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 2	X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 2	X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 2			X			X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 2	X			X		
	Cadmium	NDPs: 0 Tests: 2	X			X		
	Chromium	NDPs: 0 Tests: 2	X			X		
	Copper	NDPs: 0 Tests: 2	X			X		
	Lead	NDPs: 0 Tests: 2	X			X		
	Mercury	NDPs: 0 Tests: 2	X			X		
	Nickel	NDPs: 0 Tests: 2	X			X		
	Selenium	NDPs: 0 Tests: 2	X			X		
	Vanadium	NDPs: 0 Tests: 2	X			X		
	Zinc	NDPs: 0 Tests: 2	X			X		
PAH by GCMS	All	NDPs: 0 Tests: 2	X			X		

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	2815884	2815883
			Customer Sample Reference	CRUSH 36	CRUSH 37
			AGS Reference		
			Depth (m)		
			Container	250g Amber Jar / 400g Tub / 60g VOC	250g Amber Jar / 400g Tub / 60g VOC
pH	All	NDPs: 0 Tests: 2		X	X
Sample description	All	NDPs: 0 Tests: 2		X	X
TPH CWG GC (S)	All	NDPs: 0 Tests: 2		X	X

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**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
2815884	CRUSH 36		Light Brown	Sand	0.1 - 2 mm	Stones	Brick
2815883	CRUSH 37		Dark Brown	Sand	0.1 - 2 mm	Stones	N/A

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	36"	CBL SIPHON	CRUSH 36	CRUSH 37	NSR IN	NSR IN (EAST)
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Soil/Solid	Soil/Solid	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/02/2011	04/02/2011	03/02/2011	03/02/2011	04/02/2011	04/02/2011
			Date Received	05/02/2011	05/02/2011	05/02/2011	05/02/2011	05/02/2011	05/02/2011
			SDG Ref	110207-15	110207-15	110207-15	110207-15	110207-15	110207-15
			Lab Sample No.(s)	2815885	2815887	2815884	2815883	2815890	2815886
			AGS Reference						
Suspended solids, Total	<2 mg/l	TM022		6.5 #	15 #			68.5 #	19 #
BOD, unfiltered	<1 mg/l	TM045		3.52 #	3.22 #			21.4 #	3.4 #
Ammoniacal Nitrogen as NH3	<0.2 mg/l	TM099		0.367 #	0.417 #			0.701 #	0.282 #
COD, unfiltered	<7 mg/l	TM107		20.4 #	24.7 #			154 #	34.9 #
Conductivity @ 20 deg.C	<0.014 mS/cm	TM120		0.335 #	0.33 #			0.461 #	0.484 #
Vanadium (diss.filt)	<0.24 µg/l	TM152		1.18 #	1.03 #			1.58 #	3.13 #
Nitrite as NO2	<0.05 mg/l	TM184		<0.05 #	<0.05 #			<0.05 #	<0.05 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		<0.05 #	<0.05 #			<0.05 #	0.152 #
Nitrate as NO3	<0.3 mg/l	TM184		2.07 #	1.15 #			0.658 #	0.92 #
pH	<1 pH Units	TM256		7.94 #	7.8 #			8.23 #	8.13 #
Phenols, Total monohydric	<0.015 mg/l	TM259			<0.015				
Asbestos Containing Material Screen	-	TM001				No ACM Detected	No ACM Detected		
pH	1 pH Units	TM133				12.2 M	11.8 M		
Arsenic	<0.6 mg/kg	TM181				14.3 M	21.8 M		
Cadmium	<0.02 mg/kg	TM181				<0.02 M	0.0452 M		
Chromium	<0.9 mg/kg	TM181				17.1 M	16.8 M		
Copper	<1.4 mg/kg	TM181				29.8 M	56.8 M		
Lead	<0.7 mg/kg	TM181				78.7 M	144 M		
Mercury	<0.14 mg/kg	TM181				<0.14 M	<0.14 M		
Nickel	<0.2 mg/kg	TM181				21.3 M	23.9 M		
Selenium	<1 mg/kg	TM181				<1 #	<1 #		
Vanadium	<0.2 mg/kg	TM181				16.2 #	16.7 #		
Zinc	<1.9 mg/kg	TM181				208 M	345 M		

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	NSR OUT
			Depth (m)	.
			Sample Type	Water(GW/SW)
			Date Sampled	04/02/2011
			Date Received	05/02/2011
			SDG Ref	110207-15
			Lab Sample No.(s)	2815888
			AGS Reference	
Suspended solids, Total	<2 mg/l	TM022		5 #
BOD, unfiltered	<1 mg/l	TM045		3.34 #
Ammoniacal Nitrogen as NH3	<0.2 mg/l	TM099		0.342 #
COD, unfiltered	<7 mg/l	TM107		26.2 #
Conductivity @ 20 deg.C	<0.014 mS/cm	TM120		0.333 #
Vanadium (diss.filt)	<0.24 µg/l	TM152		1.21 #
Nitrite as NO2	<0.05 mg/l	TM184		<0.05 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		<0.05 #
Nitrate as NO3	<0.3 mg/l	TM184		2.19 #
pH	<1 pH Units	TM256		8.33 #

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

PAH by GCMS

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CRUSH 36	CRUSH 37				
			Depth (m)	.	.				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	03/02/2011	03/02/2011				
			Date Received	05/02/2011	05/02/2011				
			SDG Ref	110207-15	110207-15				
			Lab Sample No.(s)	2815884	2815883				
			AGS Reference						
Naphthalene-d8 % recovery**	%	TM218		96	96.3				
Acenaphthene-d10 % recovery**	%	TM218		95.8	96				
Phenanthrene-d10 % recovery**	%	TM218		93.8	93.8				
Chrysene-d12 % recovery**	%	TM218		102	99.8				
Perylene-d12 % recovery**	%	TM218		96.2	93.9				
Naphthalene	<9 µg/kg	TM218		595 M	89.9 M				
Acenaphthylene	<12 µg/kg	TM218		48.3 M	22.8 M				
Acenaphthene	<8 µg/kg	TM218		1200 M	122 M				
Fluorene	<10 µg/kg	TM218		861 M	104 M				
Phenanthrene	<15 µg/kg	TM218		3850 M	684 M				
Anthracene	<16 µg/kg	TM218		763 M	151 M				
Fluoranthene	<17 µg/kg	TM218		4660 M	1190 M				
Pyrene	<15 µg/kg	TM218		3700 M	1080 M				
Benz(a)anthracene	<14 µg/kg	TM218		2740 M	767 M				
Chrysene	<10 µg/kg	TM218		2820 M	809 M				
Benzo(b)fluoranthene	<15 µg/kg	TM218		3960 M	1250 M				
Benzo(k)fluoranthene	<14 µg/kg	TM218		1320 M	425 M				
Benzo(a)pyrene	<15 µg/kg	TM218		2700 M	814 M				
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218		1550 M	497 M				
Dibenzo(a,h)anthracene	<23 µg/kg	TM218		546 M	172 M				
Benzo(g,h,i)perylene	<24 µg/kg	TM218		1880 M	629 M				
Polyaromatic hydrocarbons, Total	<118 µg/kg	TM218		33200 M	8810 M				

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

SVOC MS (W) - Aqueous

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	36"	NSR IN	NSR IN (EAST)	NSR OUT		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	04/02/2011	04/02/2011	04/02/2011	04/02/2011		
			Date Received	05/02/2011	05/02/2011	05/02/2011	05/02/2011		
			SDG Ref	110207-15	110207-15	110207-15	110207-15		
			Lab Sample No.(s)	2815885	2815890	2815886	2815888		
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2-Chlorophenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1	8.37	<1	<1		
2-Methylphenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2-Nitroaniline (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
2-Nitrophenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
3-Nitroaniline (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
4-Methylphenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
4-Nitroaniline (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Azobenzene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Acenaphthylene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Acenaphthene (aq)	<1 µg/l	TM176		<1	10.5	<1	<1		
Anthracene (aq)	<1 µg/l	TM176		<1	3.7	<1	<1		
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2	<20	<2	<2		
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1	2.05	<1	<1		
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1	1.63	<1	<1		
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1	1.41	<1	<1		

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

SVOC MS (W) - Aqueous

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

Component	LOD/Units	Method	Customer Sample R	36"	NSR IN	NSR IN (EAST)	NSR OUT		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	04/02/2011	04/02/2011	04/02/2011	04/02/2011		
			Date Received	05/02/2011	05/02/2011	05/02/2011	05/02/2011		
			SDG Ref	110207-15	110207-15	110207-15	110207-15		
			Lab Sample No.(s)	2815885	2815890	2815886	2815888		
			AGS Reference						
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1	1.51	<1	<1		
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Carbazole (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Chrysene (aq)	<1 µg/l	TM176		<1	3.84	<1	<1		
Dibenzofuran (aq)	<1 µg/l	TM176		<1	5.3	<1	<1		
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Diethyl phthalate (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5	<50	<5	<5		
Fluoranthene (aq)	<1 µg/l	TM176		<1	7.79	<1	<1		
Fluorene (aq)	<1 µg/l	TM176		<1	8.58	<1	<1		
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Pentachlorophenol (aq)	<1 µg/l	TM176		<2	<10	<2	<2		
Phenol (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Hexachloroethane (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Nitrobenzene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Naphthalene (aq)	<1 µg/l	TM176		<1	11.5	<1	<1		
Isophorone (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<2	<10	<2	<2		
Phenanthrene (aq)	<1 µg/l	TM176		<1	13.3	<1	<1		
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1	<10	<1	<1		
Pyrene (aq)	<1 µg/l	TM176		<1	7.22	<1	<1		

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CRUSH 36	CRUSH 37				
			Depth (m)	.	.				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	03/02/2011	03/02/2011				
			Date Received	05/02/2011	05/02/2011				
			SDG Ref	110207-15	110207-15				
			Lab Sample No.(s)	2815884	2815883				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		103	61				
GRO >C5-C12	<44 µg/kg	TM089		608	639				
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		12.2 M	16.3 M				
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M				
m,p-Xylene	<6 µg/kg	TM089		6.66 M	6.53 M				
o-Xylene	<3 µg/kg	TM089		<3 M	3.27 M				
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10				
BTEX, Total	<10 µg/kg	TM089		18.9	26.1				
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10				
Aliphatics >C6-C8	<10 µg/kg	TM089		20	29.4				
Aliphatics >C8-C10	<10 µg/kg	TM089		54.4	70.8				
Aliphatics >C10-C12	<10 µg/kg	TM089		279	271				
Aliphatics >C12-C16	<100 µg/kg	TM173		9490	11000				
Aliphatics >C16-C21	<100 µg/kg	TM173		16100	45300				
Aliphatics >C21-C35	<100 µg/kg	TM173		48200	145000				
Aliphatics >C35-C44	<100 µg/kg	TM173		13600	38400				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		87400	239000				
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10				
Aromatics >EC7-EC8	<10 µg/kg	TM089		12.2	16.3				
Aromatics >EC8-EC10	<10 µg/kg	TM089		45.5	57.7				
Aromatics >EC10-EC12	<10 µg/kg	TM089		186	181				
Aromatics >EC12-EC16	<100 µg/kg	TM173		7080	3090				
Aromatics >EC16-EC21	<100 µg/kg	TM173		18000	26500				
Aromatics >EC21-EC35	<100 µg/kg	TM173		65700	134000				
Aromatics >EC35-EC44	<100 µg/kg	TM173		31400	57800				
Aromatics >EC40-EC44	<100 µg/kg	TM173		14800	26700				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		122000	221000				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		210000	461000				
Total Aliphatics >C5-35	<100 µg/kg	TM173		74200	201000				
Total Aromatics >C5-35	<100 µg/kg	TM173		91000	164000				
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		165000	365000				

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

TPH CWG (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	36"	CBL SIPHON	NSR IN	NSR IN (EAST)	NSR OUT
			Depth (m)	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
			Date Received	05/02/2011	05/02/2011	05/02/2011	05/02/2011	05/02/2011
			SDG Ref	110207-15	110207-15	110207-15	110207-15	110207-15
			Lab Sample No.(s)	2815885	2815887	2815890	2815886	2815888
			AGS Reference					
GRO Surrogate % recovery**	%	TM245		84	98	98	94	99
GRO >C5-C12	<50 µg/l	TM245		<50 #	<50 #	370 #	<50 #	<50 #
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #	<3 #
Benzene	<7 µg/l	TM245		<7 #	<7 #	<7 #	<7 #	<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 #
m,p,o-Xylene	<10 µg/l	TM245		<10	<10	<10	<10	<10
BTEX, Total	<10 µg/l	TM245		<10	<10	<10	<10	<10
Aliphatics >C5-C6	<10 µg/l	TM245		<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/l	TM245		<10	<10	45	<10	<10
Aliphatics >C8-C10	<10 µg/l	TM245		<10	<10	41	<10	<10
Aliphatics >C10-C12	<10 µg/l	TM245		<10	<10	151	<10	<10
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		<10	<10	5110	<10	<10
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		<10	<10	6780	10	<10
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		<10	<10	6220	<10	<10
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		<10	<10	18100	10	<10
Aromatics >EC5-EC7	<10 µg/l	TM245		<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/l	TM245		<10	<10	29	<10	<10
Aromatics >EC10-EC12	<10 µg/l	TM245		<10	<10	100	<10	<10
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		<10	<10	1580	<10	<10
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		<10	<10	3110	<10	<10
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		<10	<10	6100	<10	<10
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		<10	<10	10800	<10	<10
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		10	<10	29300	24	<10

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (W)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	36"	NSR IN	NSR IN (EAST)	NSR OUT		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	04/02/2011	04/02/2011	04/02/2011	04/02/2011		
			Date Received	05/02/2011	05/02/2011	05/02/2011	05/02/2011		
			SDG Ref	110207-15	110207-15	110207-15	110207-15		
			Lab Sample No.(s)	2815885	2815890	2815886	2815888		
			AGS Reference						
Dibromofluoromethane**	%	TM208		114	113	119	117		
Toluene-d8**	%	TM208		98.8	99	99.8	99.1		
4-Bromofluorobenzene**	%	TM208		96.4	97.4	95.7	97.1		
Dichlorodifluoromethane	<7 µg/l	TM208		<7 #	<7 #	<7 #	<7 #		
Chloromethane	<9 µg/l	TM208		<9 #	<9 #	<9 #	<9 #		
Vinyl chloride	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #	<1.2 #		
Bromomethane	<2 µg/l	TM208		<2 #	<2 #	<2 #	<2 #		
Chloroethane	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #	<2.5 #		
Trichlorofluoromethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #	<1.3 #		
1,1-Dichloroethene	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #	<1.2 #		
Carbon disulphide	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #	<1.3 #		
Dichloromethane	<3.7 µg/l	TM208		<3.7 #	<3.7 #	<3.7 #	<3.7 #		
Methyl tertiary butyl ether (MTBE)	<1.6 µg/l	TM208		<1.6 #	<1.6 #	<1.6 #	<1.6 #		
trans-1,2-Dichloroethene	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #	<1.9 #		
1,1-Dichloroethane	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #	<1.2 #		
cis-1,2-Dichloroethene	<2.3 µg/l	TM208		<2.3 #	<2.3 #	<2.3 #	<2.3 #		
2,2-Dichloropropane	<3.8 µg/l	TM208		<3.8 #	<3.8 #	<3.8 #	<3.8 #		
Bromochloromethane	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #	<1.9 #		
Chloroform	<1.8 µg/l	TM208		<1.8 #	<1.8 #	<1.8 #	<1.8 #		
1,1,1-Trichloroethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #	<1.3 #		
1,1-Dichloropropene	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #	<1.3 #		
Carbontetrachloride	<1.4 µg/l	TM208		<1.4 #	<1.4 #	<1.4 #	<1.4 #		
1,2-Dichloroethane	<3.3 µg/l	TM208		4.22	31.8	18.4	4.06		
Benzene	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #	<1.3 #		
Trichloroethene	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #	<2.5 #		
1,2-Dichloropropane	<3 µg/l	TM208		<3 #	<3 #	<3 #	<3 #		
Dibromomethane	<2.7 µg/l	TM208		<2.7 #	<2.7 #	<2.7 #	<2.7 #		
Bromodichloromethane	<0.9 µg/l	TM208		<0.9 #	<0.9 #	<0.9 #	<0.9 #		
cis-1,3-Dichloropropene	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #	<1.9 #		
Toluene	<1.4 µg/l	TM208		<1.4 #	<1.4 #	<1.4 #	<1.4 #		
trans-1,3-Dichloropropene	<3.5 µg/l	TM208		<3.5 #	<3.5 #	<3.5 #	<3.5 #		
1,1,2-Trichloroethane	<2.2 µg/l	TM208		<2.2 #	<2.2 #	<2.2 #	<2.2 #		
1,3-Dichloropropane	<2.2 µg/l	TM208		<2.2 #	<2.2 #	<2.2 #	<2.2 #		
Tetrachloroethene	<1.5 µg/l	TM208		<1.5 #	<1.5 #	<1.5 #	<1.5 #		
Dibromochloromethane	<1.7 µg/l	TM208		<1.7 #	<1.7 #	<1.7 #	<1.7 #		

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

VOC MS (W)

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

Component	LOD/Units	Method	Customer Sample R	36"	NSR IN	NSR IN (EAST)	NSR OUT		
			Depth (m)	.	.	.	.		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	04/02/2011	04/02/2011	04/02/2011	04/02/2011		
			Date Received	05/02/2011	05/02/2011	05/02/2011	05/02/2011		
			SDG Ref	110207-15	110207-15	110207-15	110207-15		
			Lab Sample No.(s)	2815885	2815890	2815886	2815888		
			AGS Reference						
1,2-Dibromoethane	<2.3 µg/l	TM208		<2.3 #	<2.3 #	<2.3 #	<2.3 #		
Chlorobenzene	<3.5 µg/l	TM208		<3.5 #	<3.5 #	<3.5 #	<3.5 #		
1,1,1,2-Tetrachloroethane	<1.3 µg/l	TM208		<1.3 #	<1.3 #	<1.3 #	<1.3 #		
Ethylbenzene	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #	<2.5 #		
m,p-Xylene	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #	<2.5 #		
o-Xylene	<1.7 µg/l	TM208		<1.7 #	<1.7 #	<1.7 #	<1.7 #		
Styrene	<1.2 µg/l	TM208		<1.2 #	<1.2 #	<1.2 #	<1.2 #		
Bromoform	<3 µg/l	TM208		<3 #	<3 #	<3 #	<3 #		
Isopropylbenzene	<1.4 µg/l	TM208		<1.4 #	<1.4 #	<1.4 #	<1.4 #		
1,1,2,2-Tetrachloroethane	<5.2 µg/l	TM208		<5.2	<5.2	<5.2	<5.2		
1,2,3-Trichloropropane	<7.8 µg/l	TM208		<7.8 #	<7.8 #	<7.8 #	<7.8 #		
Bromobenzene	<2 µg/l	TM208		<2 #	<2 #	<2 #	<2 #		
Propylbenzene	<2.6 µg/l	TM208		<2.6 #	<2.6 #	<2.6 #	<2.6 #		
2-Chlorotoluene	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #	<1.9 #		
1,3,5-Trimethylbenzene	<1.8 µg/l	TM208		<1.8 #	<1.8 #	<1.8 #	<1.8 #		
4-Chlorotoluene	<1.9 µg/l	TM208		<1.9 #	<1.9 #	<1.9 #	<1.9 #		
tert-Butylbenzene	<2 µg/l	TM208		<2 #	<2 #	<2 #	<2 #		
1,2,4-Trimethylbenzene	<1.7 µg/l	TM208		<1.7 #	2.22 #	<1.7 #	<1.7 #		
sec-Butylbenzene	<1.7 µg/l	TM208		<1.7 #	<1.7 #	<1.7 #	<1.7 #		
4-iso-Propyltoluene	<2.6 µg/l	TM208		<2.6 #	<2.6 #	<2.6 #	<2.6 #		
1,3-Dichlorobenzene	<2.2 µg/l	TM208		<2.2 #	<2.2 #	<2.2 #	<2.2 #		
1,4-Dichlorobenzene	<2.7 µg/l	TM208		<2.7 #	<2.7 #	<2.7 #	<2.7 #		
n-Butylbenzene	<2 µg/l	TM208		<2 #	<2 #	<2 #	<2 #		
1,2-Dichlorobenzene	<3.7 µg/l	TM208		<3.7	<3.7	<3.7	<3.7		
1,2-Dibromo-3-chloropropane	<9.8 µg/l	TM208		<9.8	<9.8	<9.8	<9.8		
1,2,4-Trichlorobenzene	<2.3 µg/l	TM208		<2.3 #	<2.3 #	<2.3 #	<2.3 #		
Hexachlorobutadiene	<2.5 µg/l	TM208		<2.5 #	<2.5 #	<2.5 #	<2.5 #		
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Naphthalene	<3.5 µg/l	TM208		<3.5 #	16.9 #	<3.5 #	<3.5 #		
1,2,3-Trichlorobenzene	<3.1 µg/l	TM208		<3.1 #	<3.1 #	<3.1 #	<3.1 #		
1,3,5-Trichlorobenzene	<10 µg/l	TM208		<10	<10	<10	<10		

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Table of Results - Appendix

REPORT KEY

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

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

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

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM001	In - house Method	Determination of asbestos containing material by screening on solids		
TM022	Method 2540D, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part120 1981;BS EN 872	Determination of total suspended solids in waters		
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999; SCA Blue Book 130	Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids		
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser		
TM107	ISO 6060-1989	Determination of Chemical Oxygen Demand using COD Dr Lange Kit		
TM120	Method 2510B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part 9:1970	Determination of Electrical Conductivity using a Conductivity Meter		
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter		
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS		
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		
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546		
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	by HPLC	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.

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	2815885	2815887	2815884	2815883	2815890	2815886	2815888
Customer Sample Ref.	36"	CBL SIPHON	CRUSH 36	CRUSH 37	NSR IN	NSR IN (EAST)	NSR OUT
AGS Ref.							
Depth							
Type	LIQUID	LIQUID	SOLID	SOLID	LIQUID	LIQUID	LIQUID
Ammoniacal Nitrogen	09-Feb-2011	09-Feb-2011			09-Feb-2011	09-Feb-2011	09-Feb-2011
Anions by Kone (w)	09-Feb-2011	09-Feb-2011			10-Feb-2011	09-Feb-2011	09-Feb-2011
Asbestos Containing Material Screen			09-Feb-2011	09-Feb-2011			
BOD True Total	13-Feb-2011	13-Feb-2011			13-Feb-2011	13-Feb-2011	13-Feb-2011
COD Unfiltered	09-Feb-2011	09-Feb-2011			09-Feb-2011	09-Feb-2011	09-Feb-2011
Conductivity (at 20 deg.C)	11-Feb-2011	11-Feb-2011			13-Feb-2011	11-Feb-2011	13-Feb-2011
Dissolved Metals by ICP-MS	09-Feb-2011	09-Feb-2011			10-Feb-2011	09-Feb-2011	09-Feb-2011
EPH CWG (Aliphatic) Aqueous GC (W)	09-Feb-2011	11-Feb-2011			11-Feb-2011	09-Feb-2011	11-Feb-2011
EPH CWG (Aliphatic) GC (S)			13-Feb-2011	14-Feb-2011			
EPH CWG (Aromatic) Aqueous GC (W)	09-Feb-2011	11-Feb-2011			11-Feb-2011	09-Feb-2011	11-Feb-2011
EPH CWG (Aromatic) GC (S)			13-Feb-2011	14-Feb-2011			
GRO by GC-FID (S)			14-Feb-2011	14-Feb-2011			
GRO by GC-FID (W)	14-Feb-2011	14-Feb-2011			14-Feb-2011	14-Feb-2011	14-Feb-2011
Metals by iCap-OES (Soil)			11-Feb-2011	14-Feb-2011			
PAH by GCMS			12-Feb-2011	12-Feb-2011			
pH			10-Feb-2011	10-Feb-2011			
pH Value	08-Feb-2011	08-Feb-2011			09-Feb-2011	08-Feb-2011	09-Feb-2011
Phenols by HPLC (W)		10-Feb-2011					
Sample description			09-Feb-2011	09-Feb-2011			
SVOC MS (W) - Aqueous	10-Feb-2011				12-Feb-2011	10-Feb-2011	12-Feb-2011
Total Suspended Solids	09-Feb-2011	09-Feb-2011			09-Feb-2011	09-Feb-2011	09-Feb-2011
TPH CWG (W)	14-Feb-2011	14-Feb-2011			14-Feb-2011	14-Feb-2011	14-Feb-2011
TPH CWG GC (S)			14-Feb-2011	14-Feb-2011			
VOC MS (W)	13-Feb-2011				13-Feb-2011	13-Feb-2011	13-Feb-2011

CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

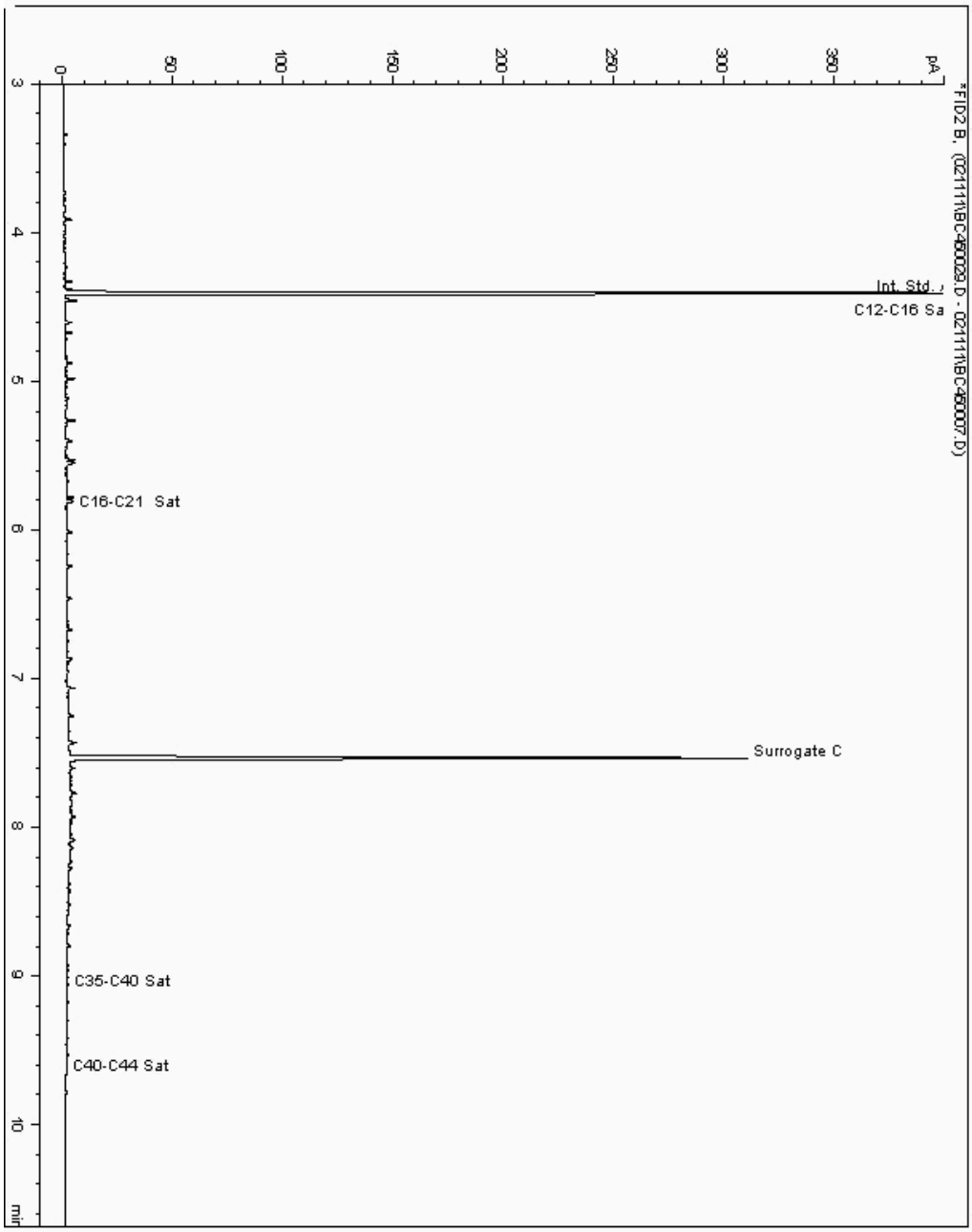
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2842960
Sample ID : CRUSH 36

Depth :

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

Sample Identity: 2902532-2842960
Date Acquired : 11/02/11 23:15:44 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

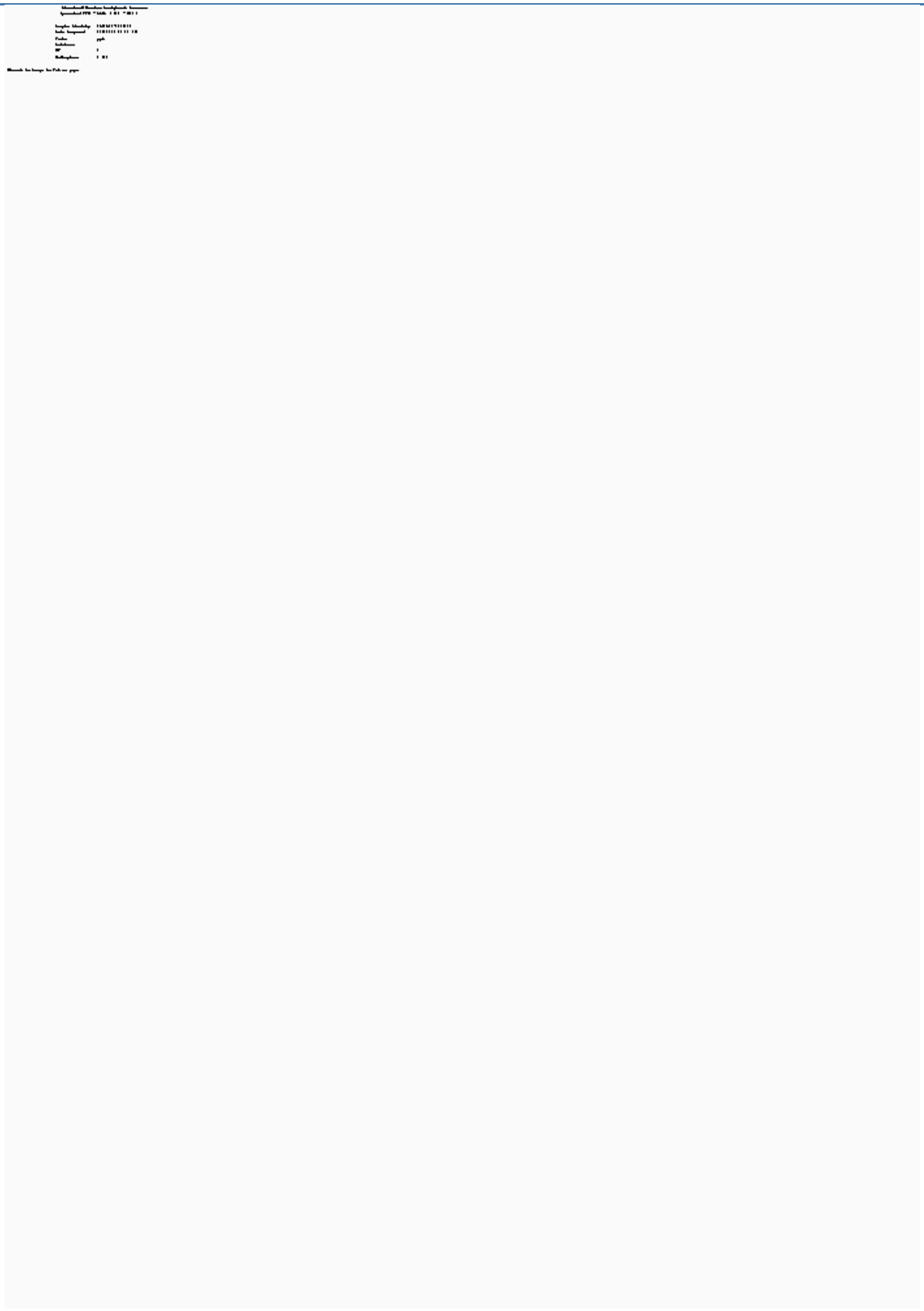
SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 2846722
Sample ID : CRUSH 37

Depth :

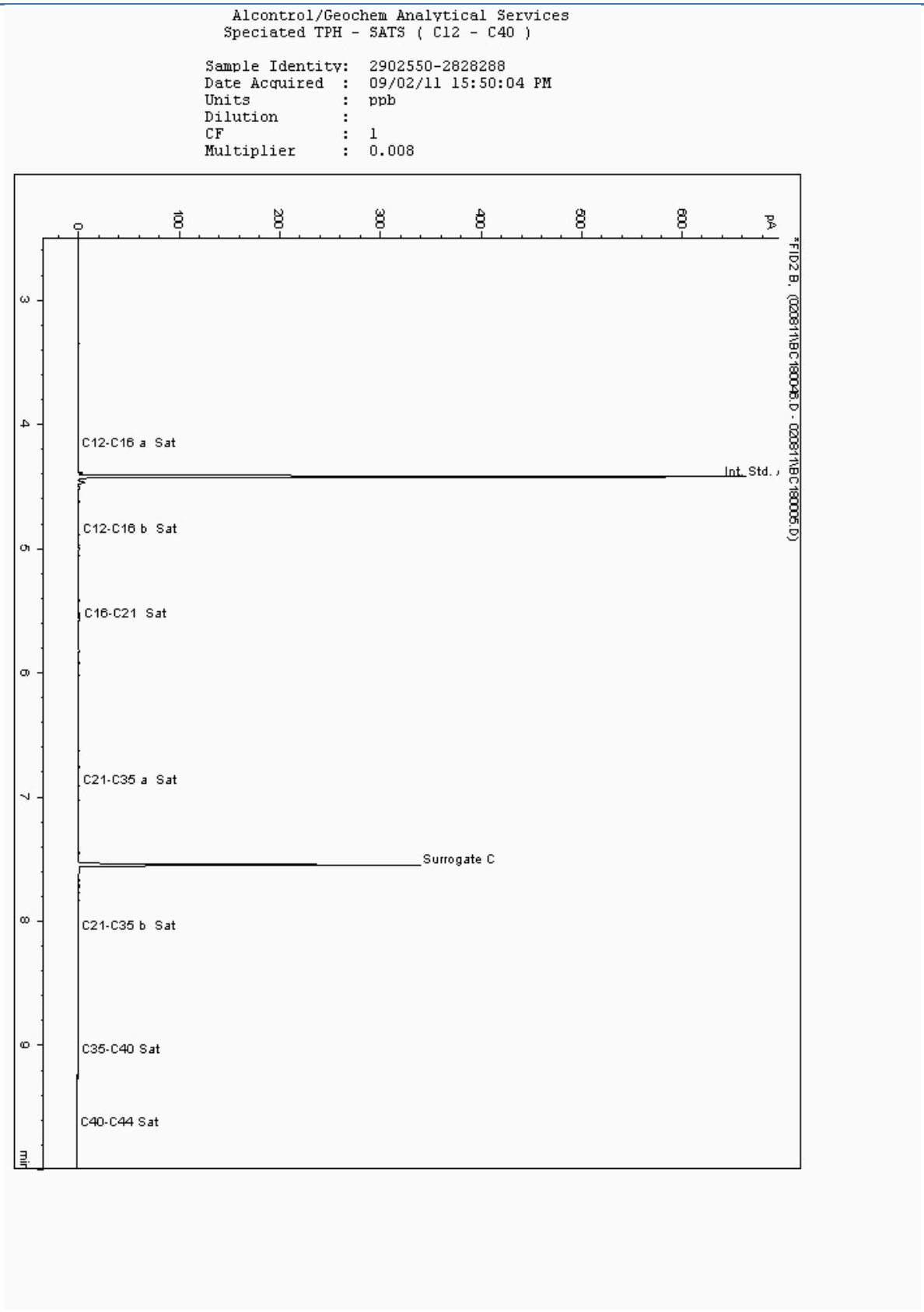


CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 2828288 **Depth :**
Sample ID : 36"



CERTIFICATE OF ANALYSIS

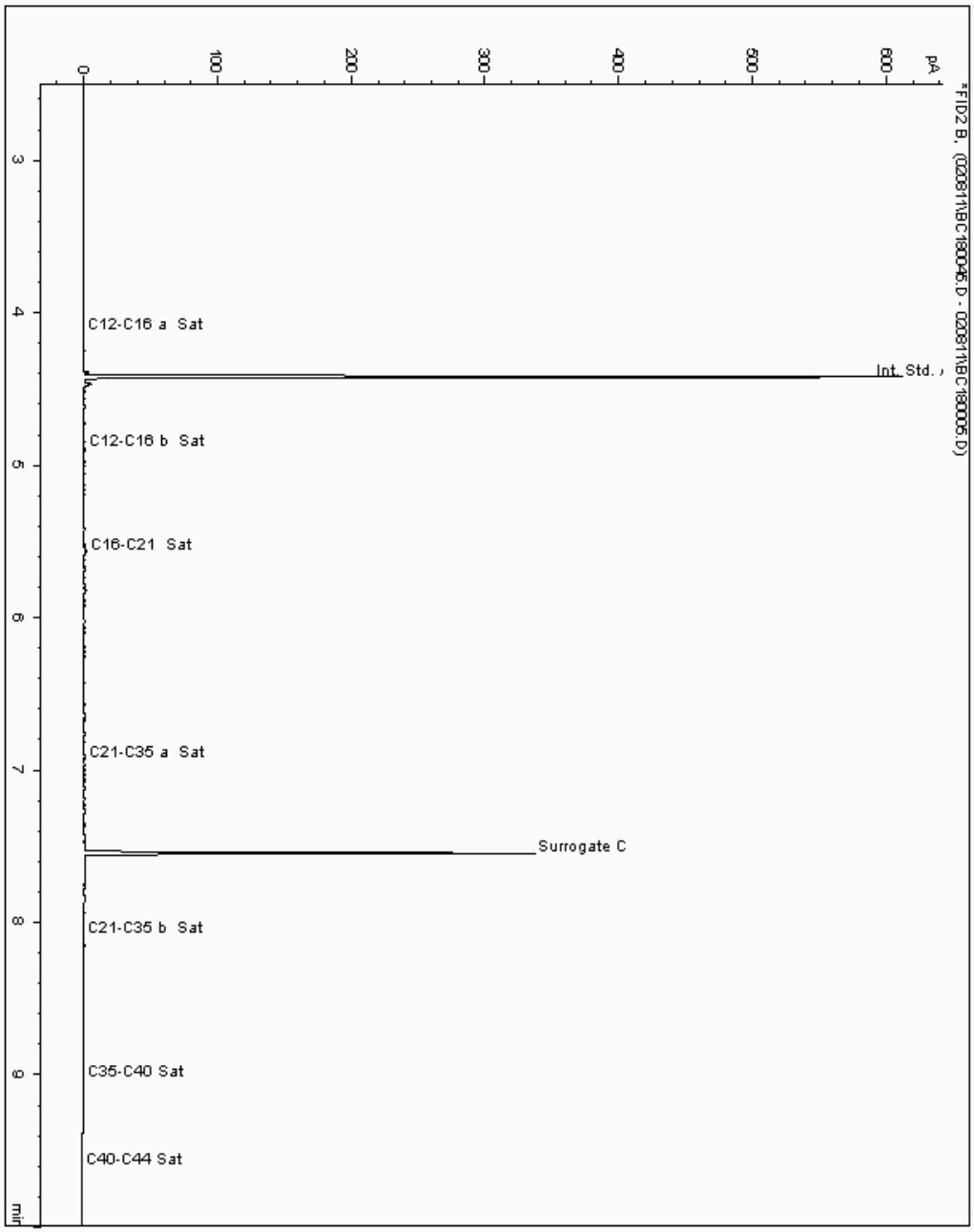
SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 2828327 **Depth :**
Sample ID : NSR IN (EAST)

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

Sample Identity: 2902565-2828327
Date Acquired : 09/02/11 15:31:28 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



CERTIFICATE OF ANALYSIS

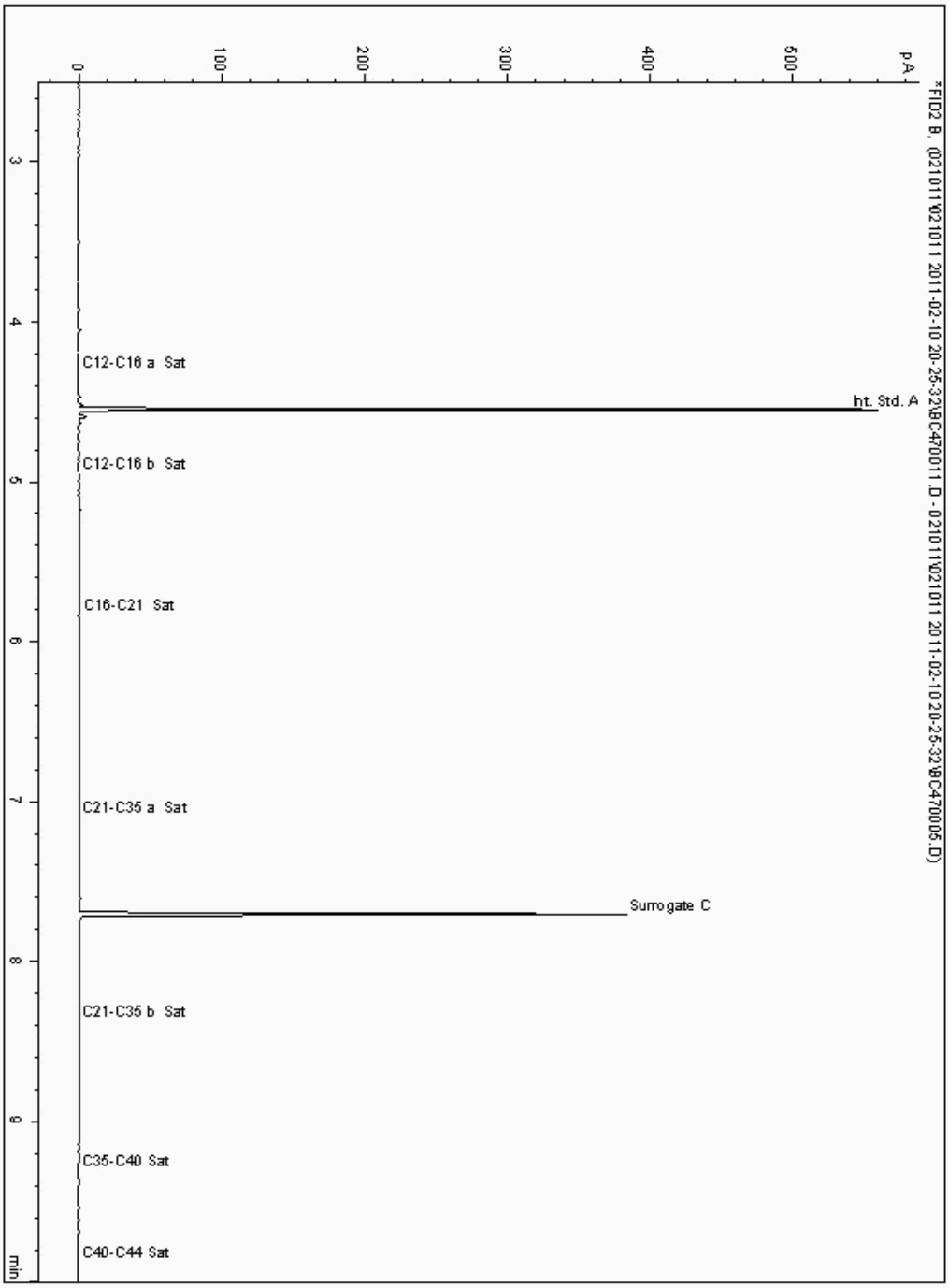
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 2829002 **Depth :**
Sample ID : NSR OUT

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

Sample Identity: 2902598-2829002
Date Acquired : 10/02/11 23:34:00
Units :
Dilution :
CF : 1
Multiplier : 0.008

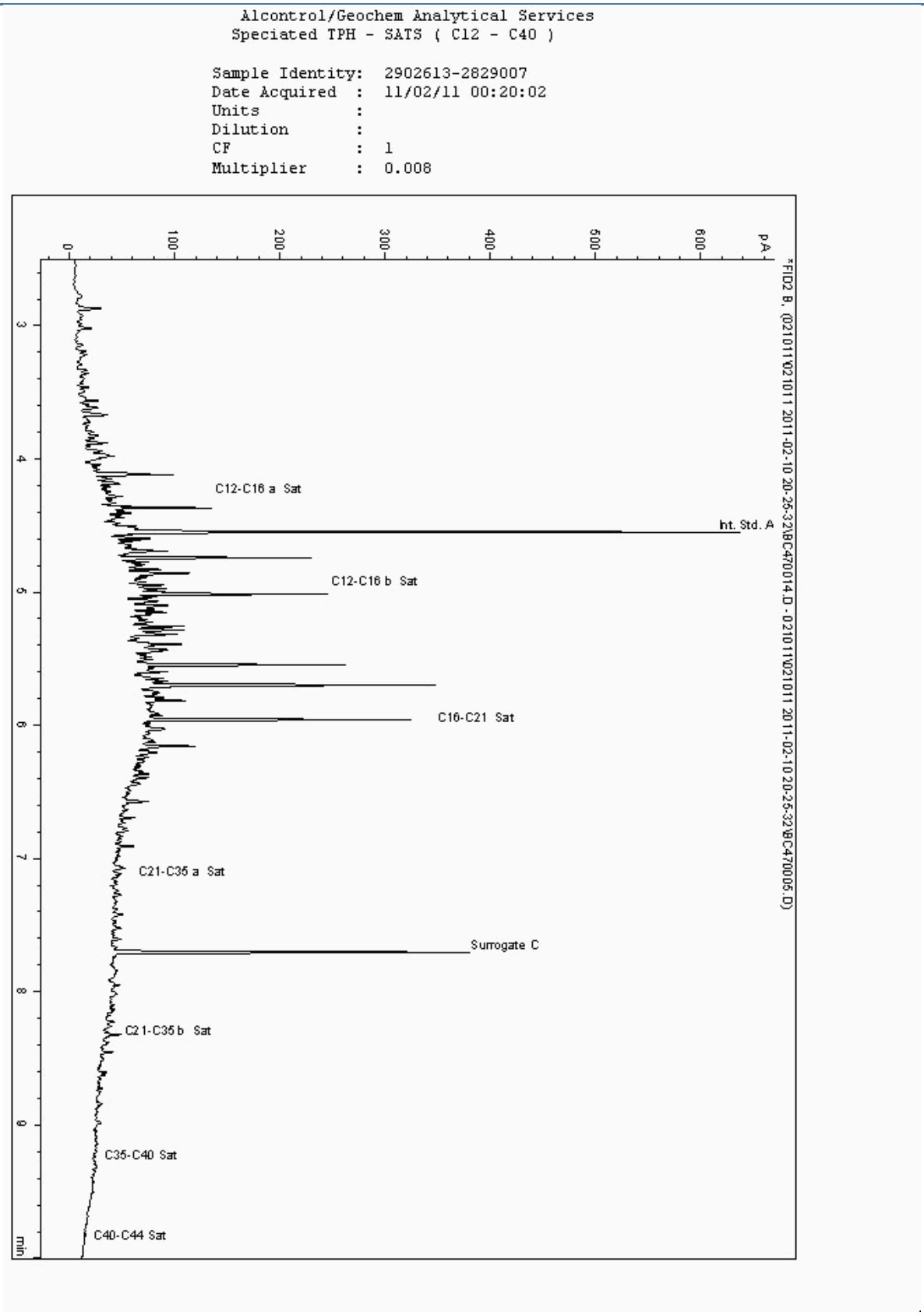


CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 2829007 **Depth :**
Sample ID : NSR IN



CERTIFICATE OF ANALYSIS

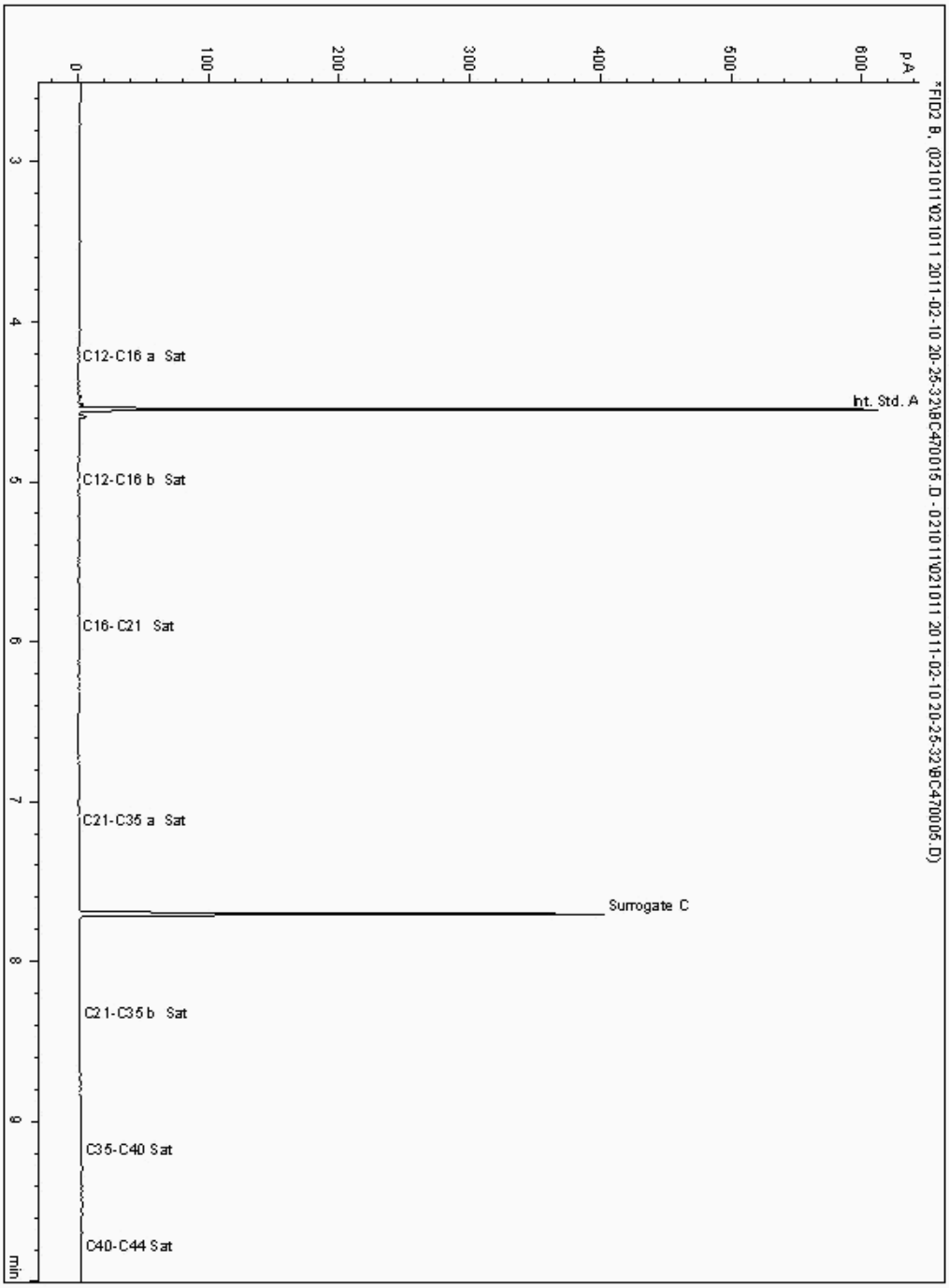
SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 2829013 **Depth :**
Sample ID : CBL SIPHON

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

Sample Identity: 2902581-2829013
Date Acquired : 11/02/11 00:38:41
Units :
Dilution :
CF : 1
Multiplier : 0.008



CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

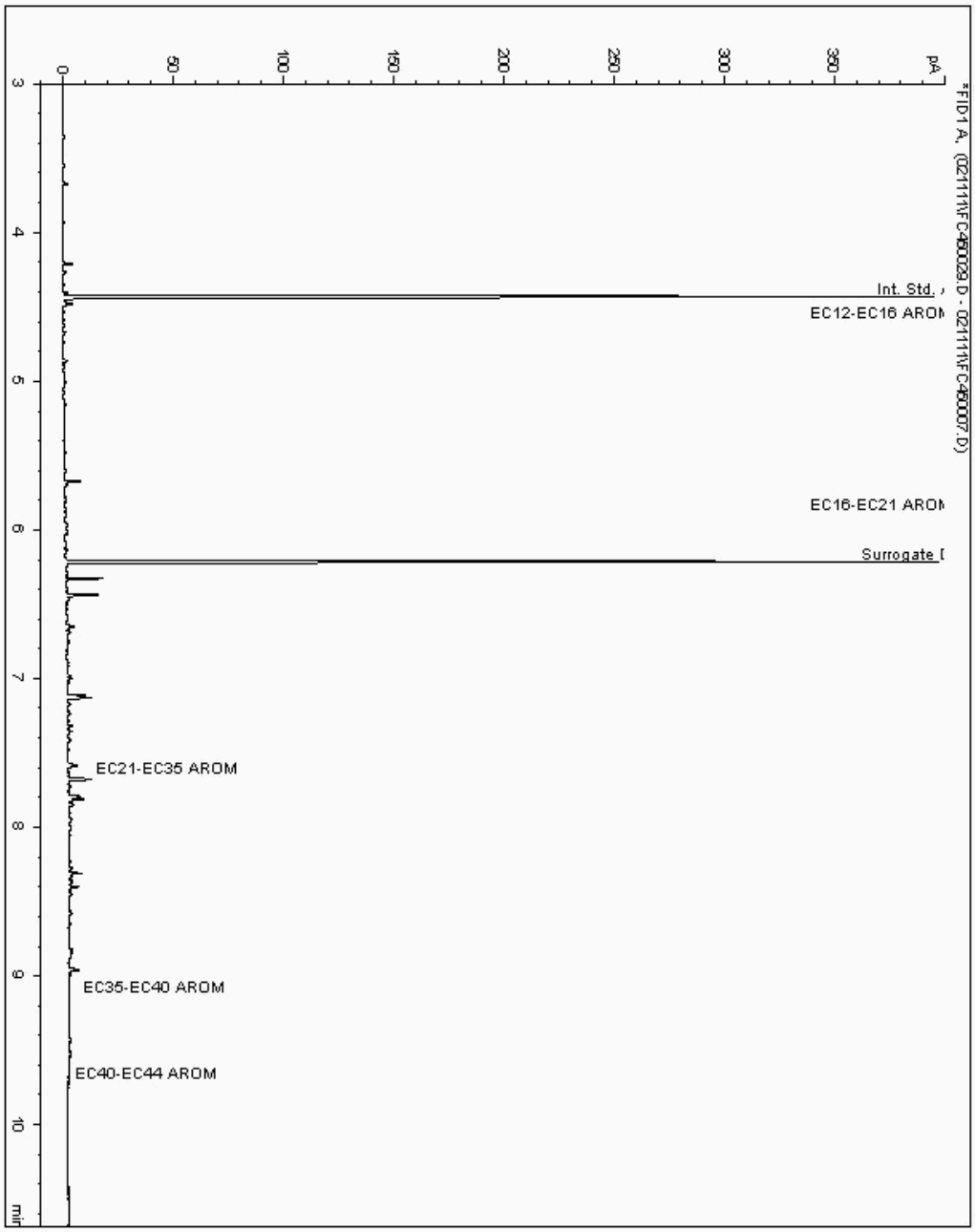
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2842960
Sample ID : CRUSH 36

Depth :

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

Sample Identity: 2902533-2842960
Date Acquired : 11/02/11 23:15:43 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

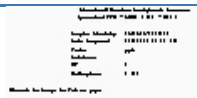
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 2846722
Sample ID : CRUSH 37

Depth :

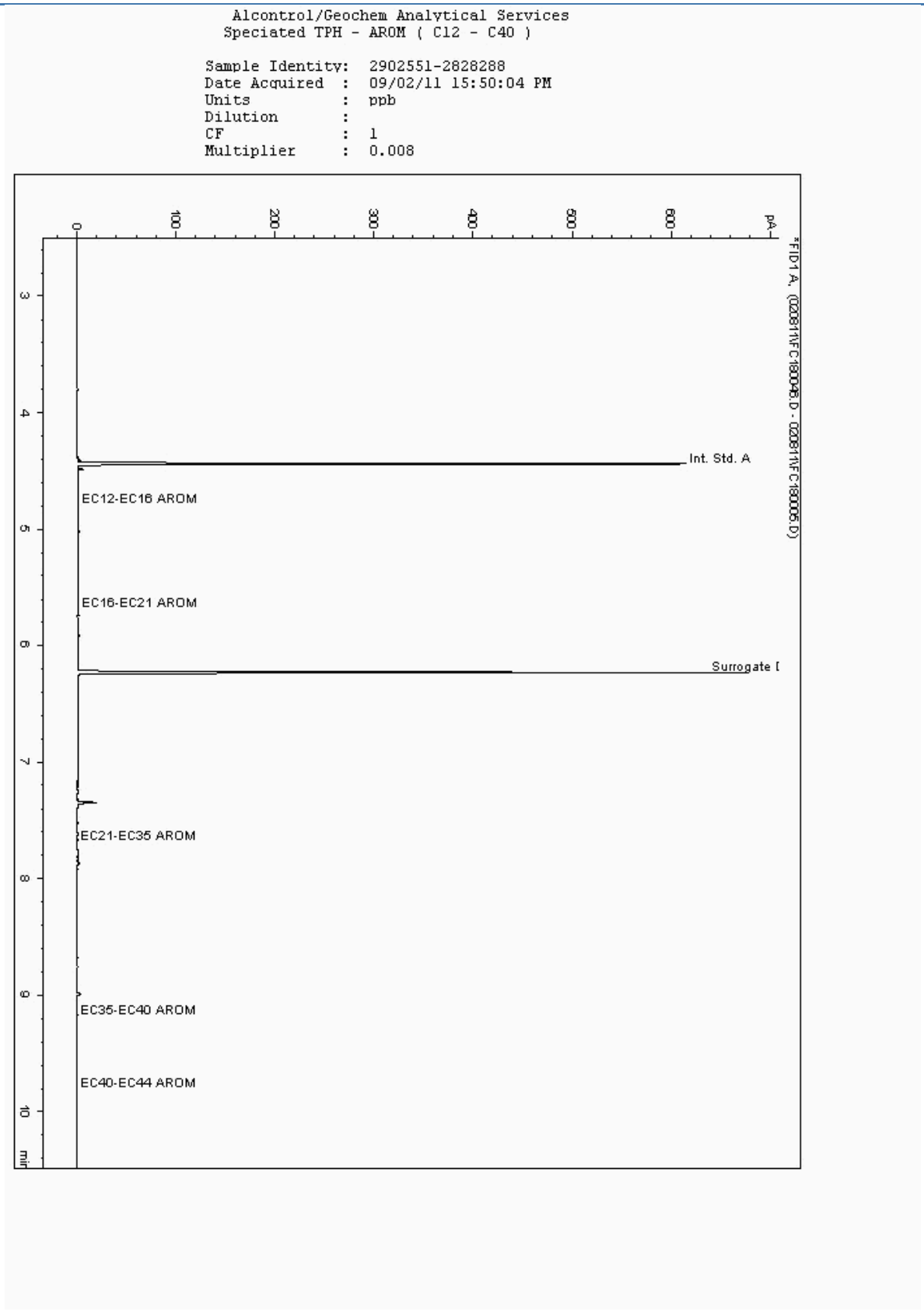


CERTIFICATE OF ANALYSIS

SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 2828288 **Depth :**
Sample ID : 36"



CERTIFICATE OF ANALYSIS

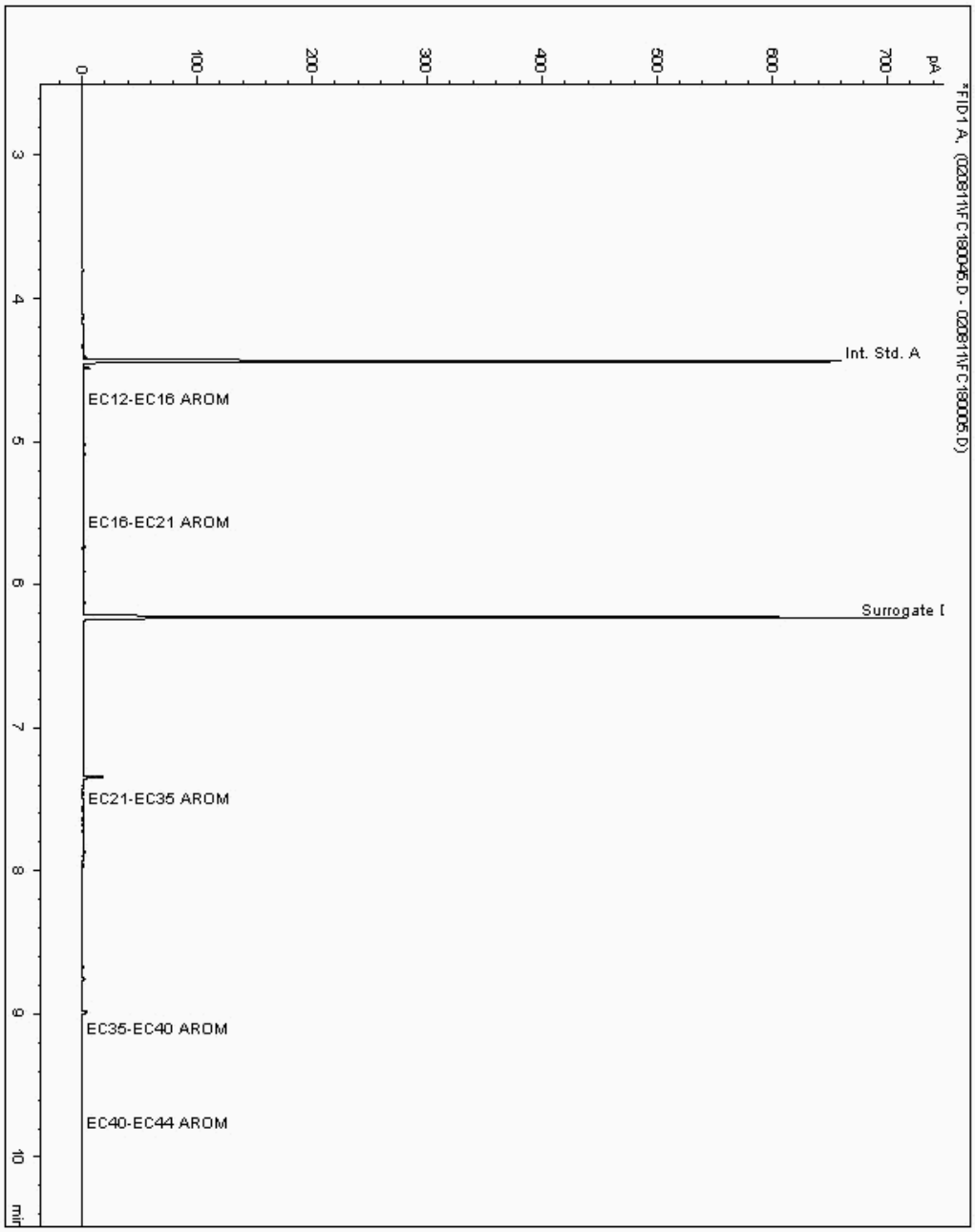
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 2828327 **Depth :**
Sample ID : NSR IN (EAST)

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

Sample Identity: 2902566-2828327
Date Acquired : 09/02/11 15:31:27 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.008



CERTIFICATE OF ANALYSIS

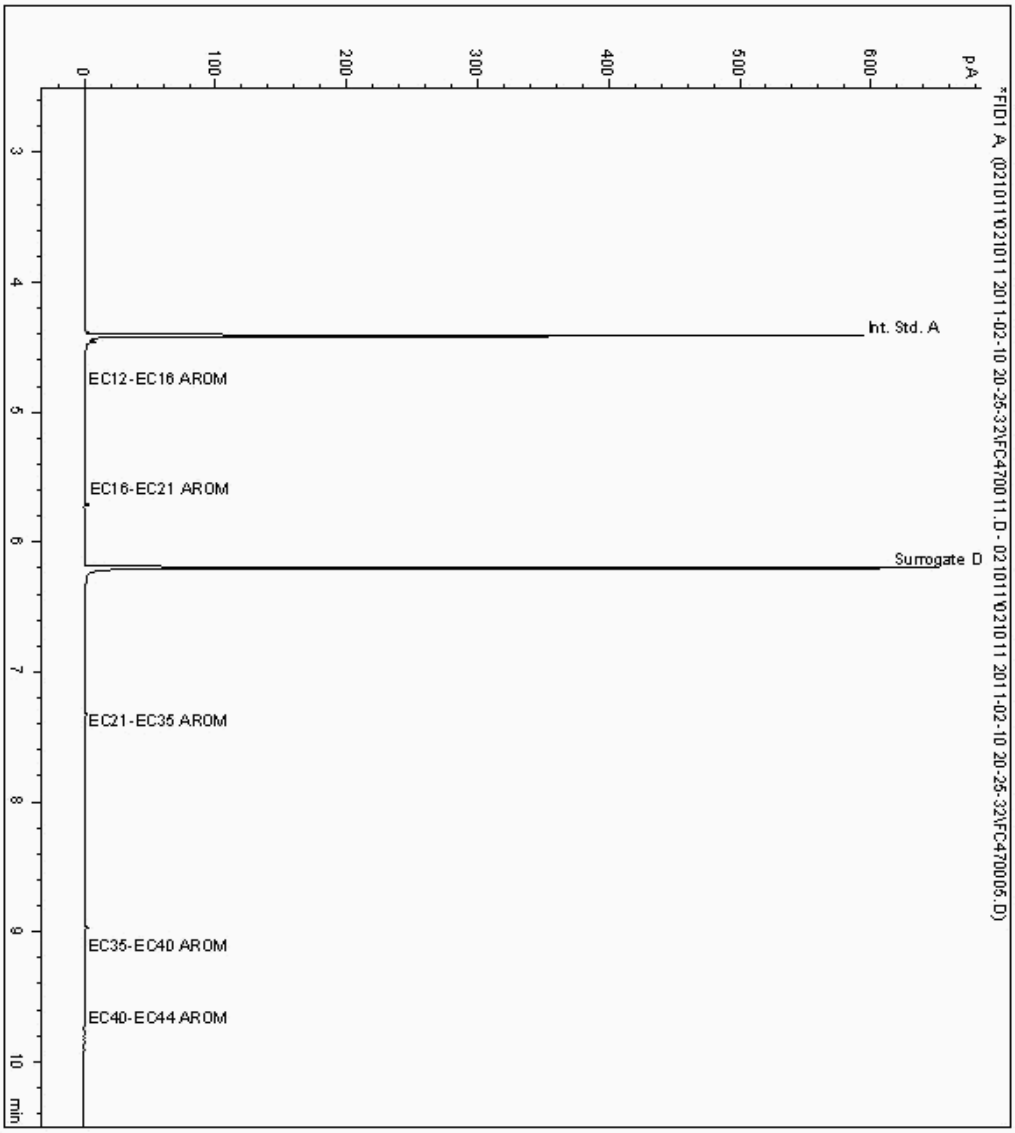
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 2829002 **Depth :**
Sample ID : NSR OUT

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

Sample Identity: 2902599-2829002
Date Acquired : 10/02/11 23:34:00
Units :
Dilution :
CF : 1
Multiplier : 0.008



CERTIFICATE OF ANALYSIS

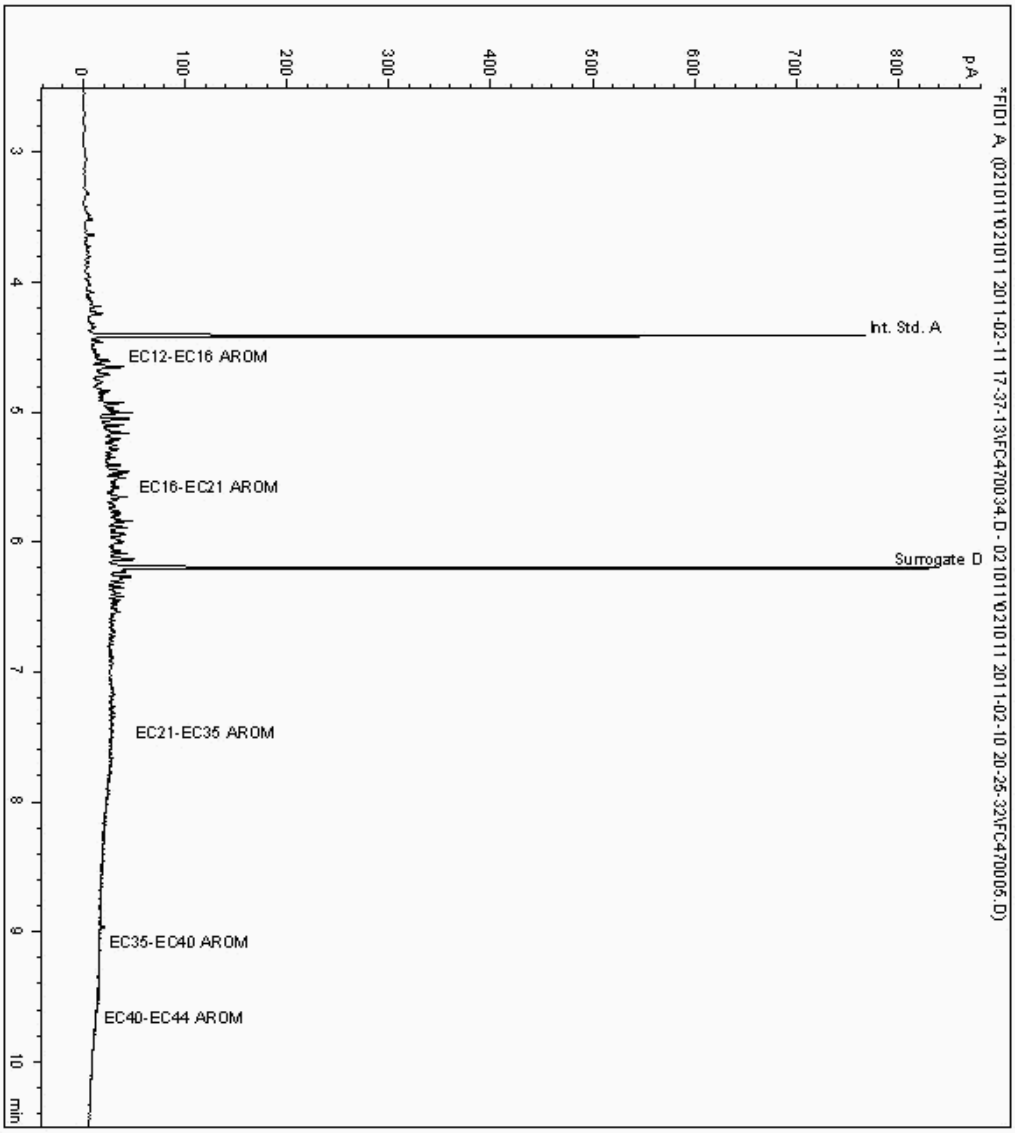
SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 2829007 **Depth :**
Sample ID : NSR IN

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

Sample Identity: 2902614-2829007
Date Acquired : 11/02/11 17:46:42
Units :
Dilution :
CF : 1
Multiplier : 0.017



CERTIFICATE OF ANALYSIS

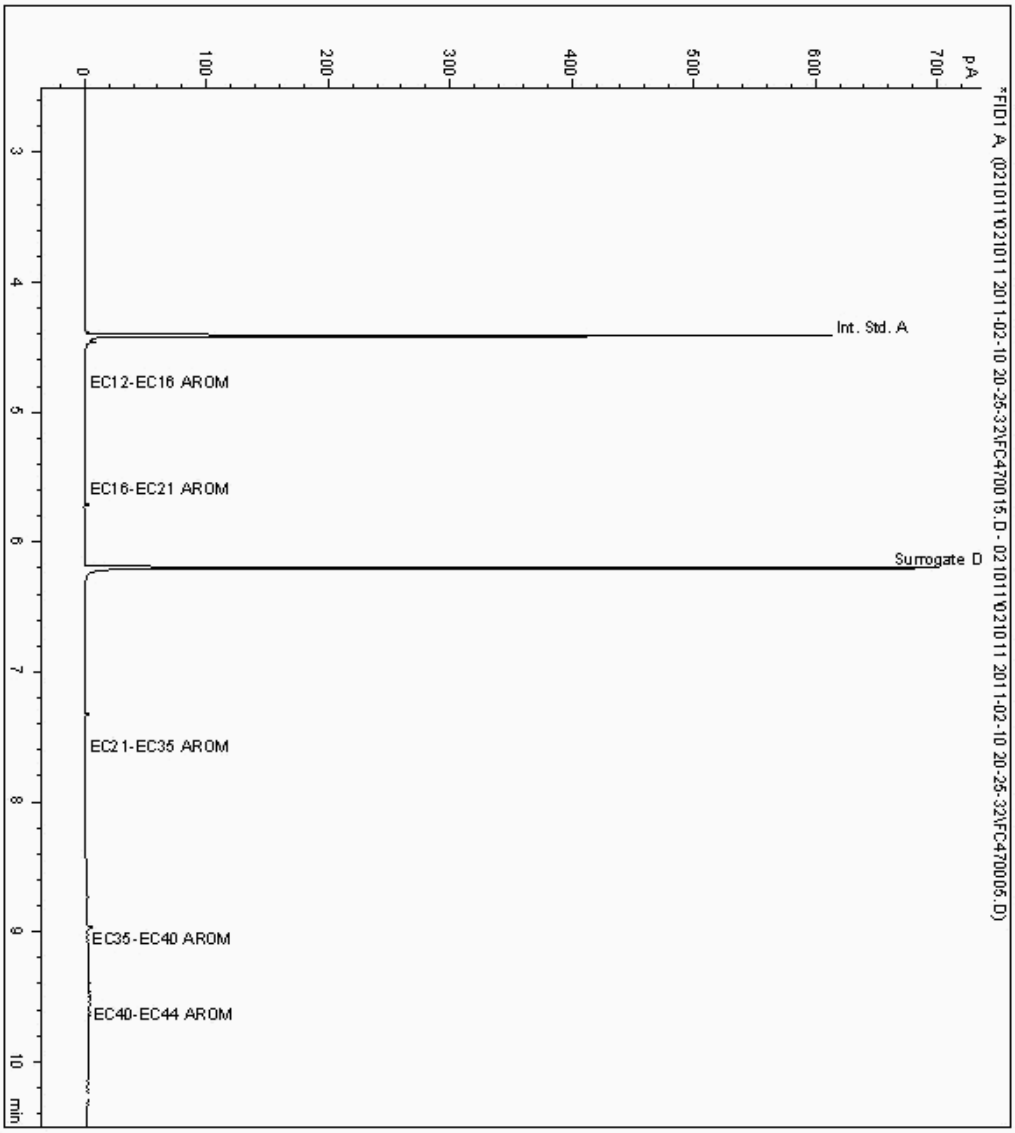
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 2829013 **Depth :**
Sample ID : CBL SIPHON

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

Sample Identity: 2902582-2829013
Date Acquired : 11/02/11 00:38:41
Units :
Dilution :
CF : 1
Multiplier : 0.008



CERTIFICATE OF ANALYSIS

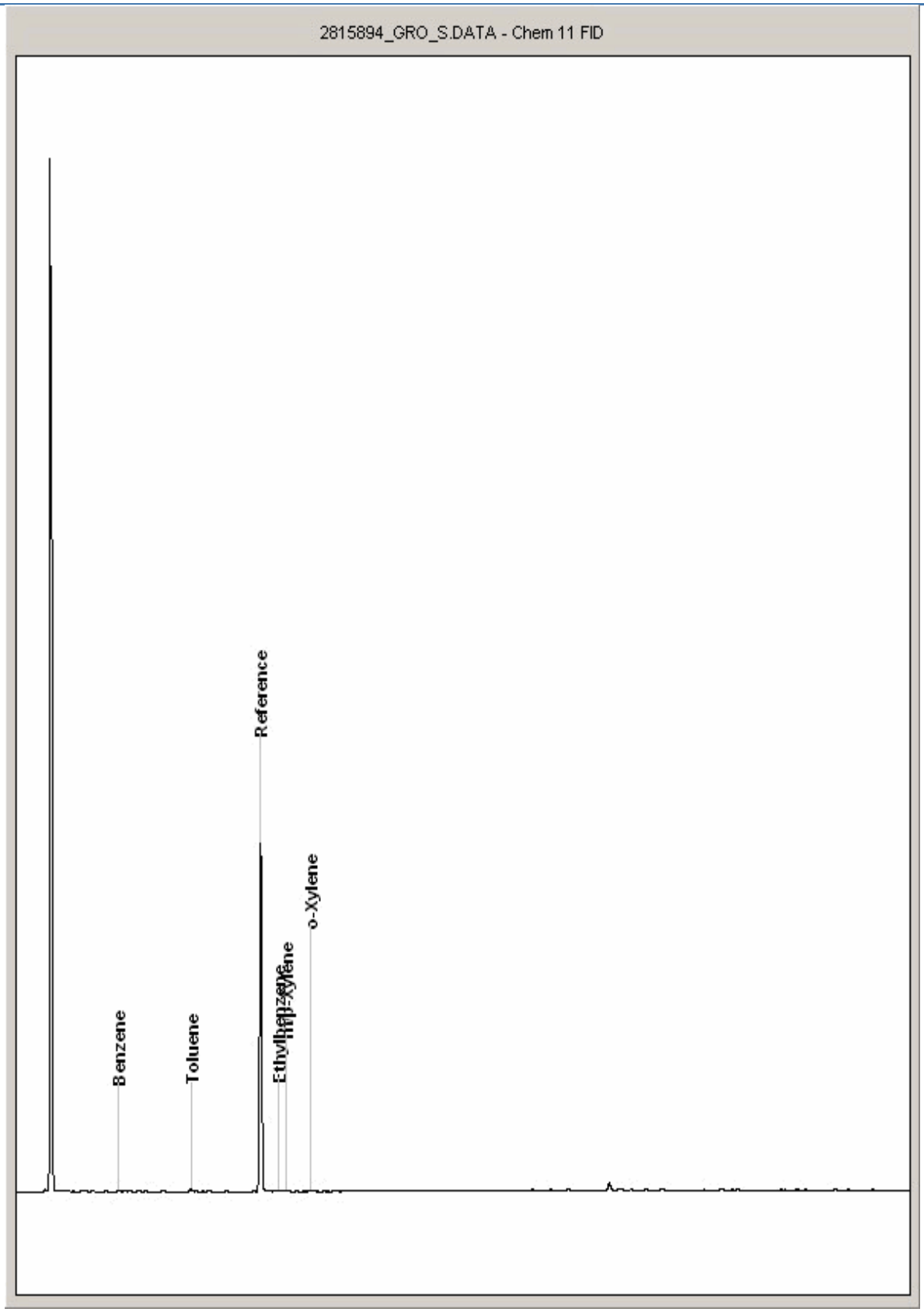
SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2815894
Sample ID : CRUSH 37

Depth :



CERTIFICATE OF ANALYSIS

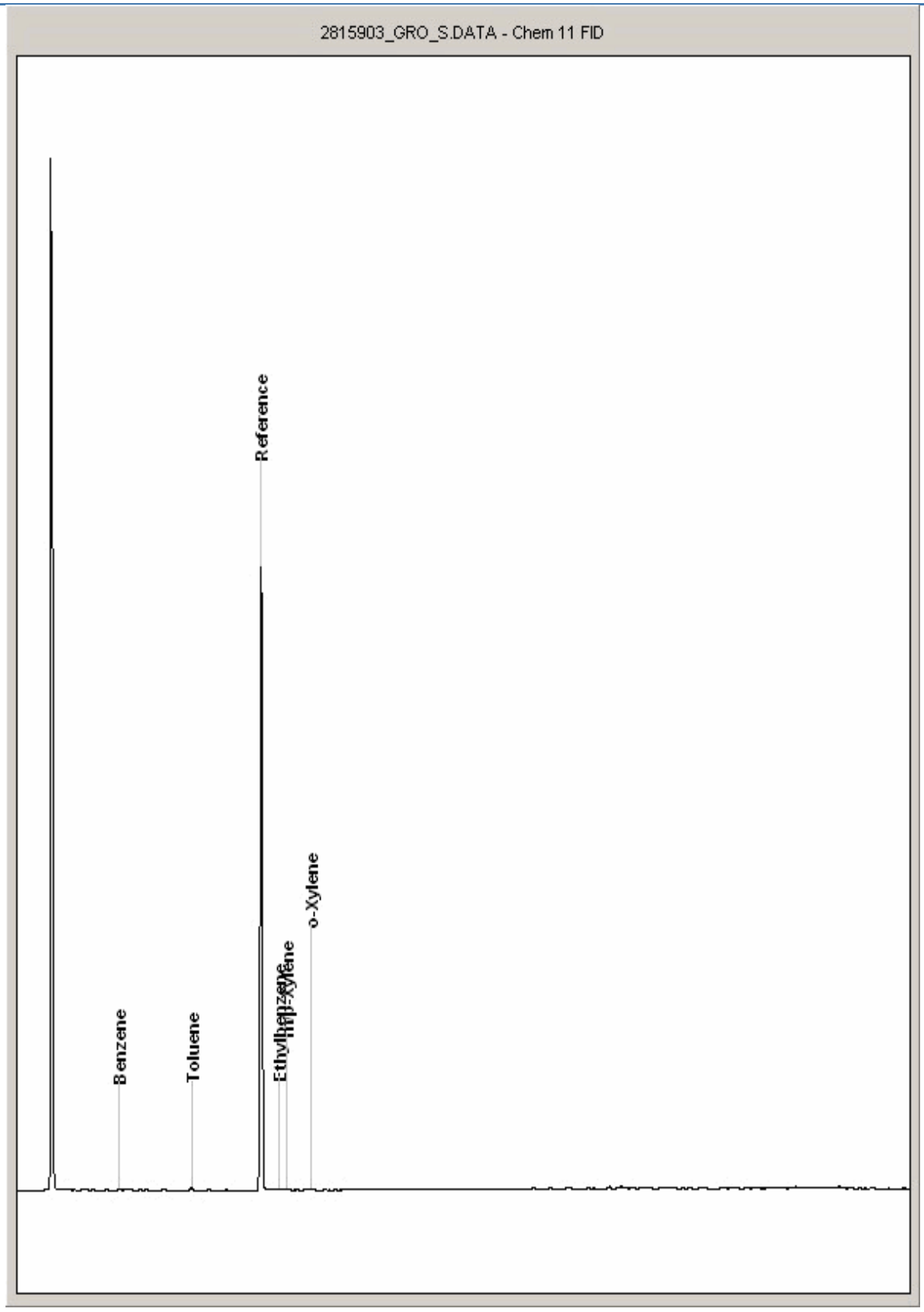
SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 2815903
Sample ID : CRUSH 36

Depth :



CERTIFICATE OF ANALYSIS

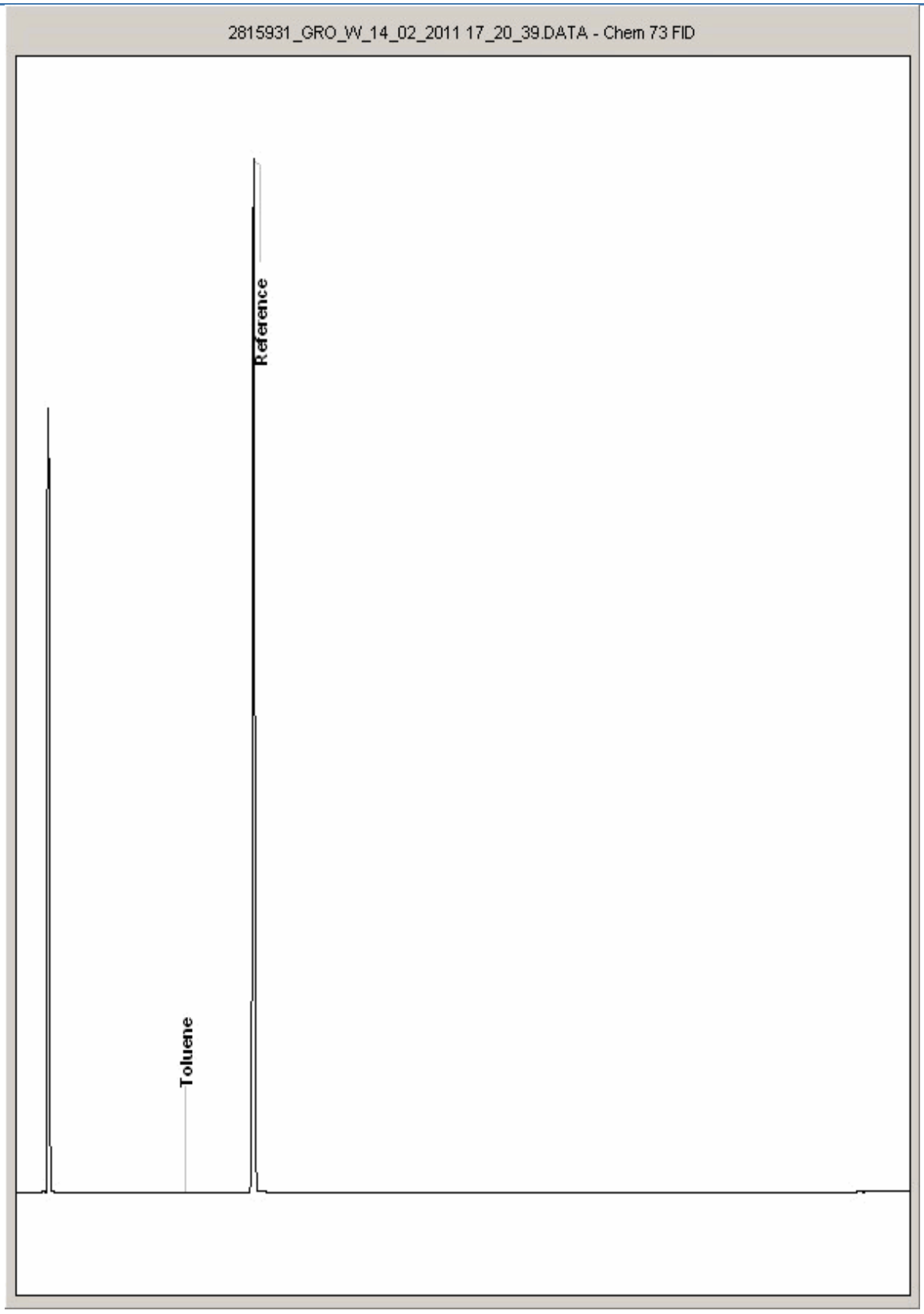
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 2815931
Sample ID : 36"

Depth :



CERTIFICATE OF ANALYSIS

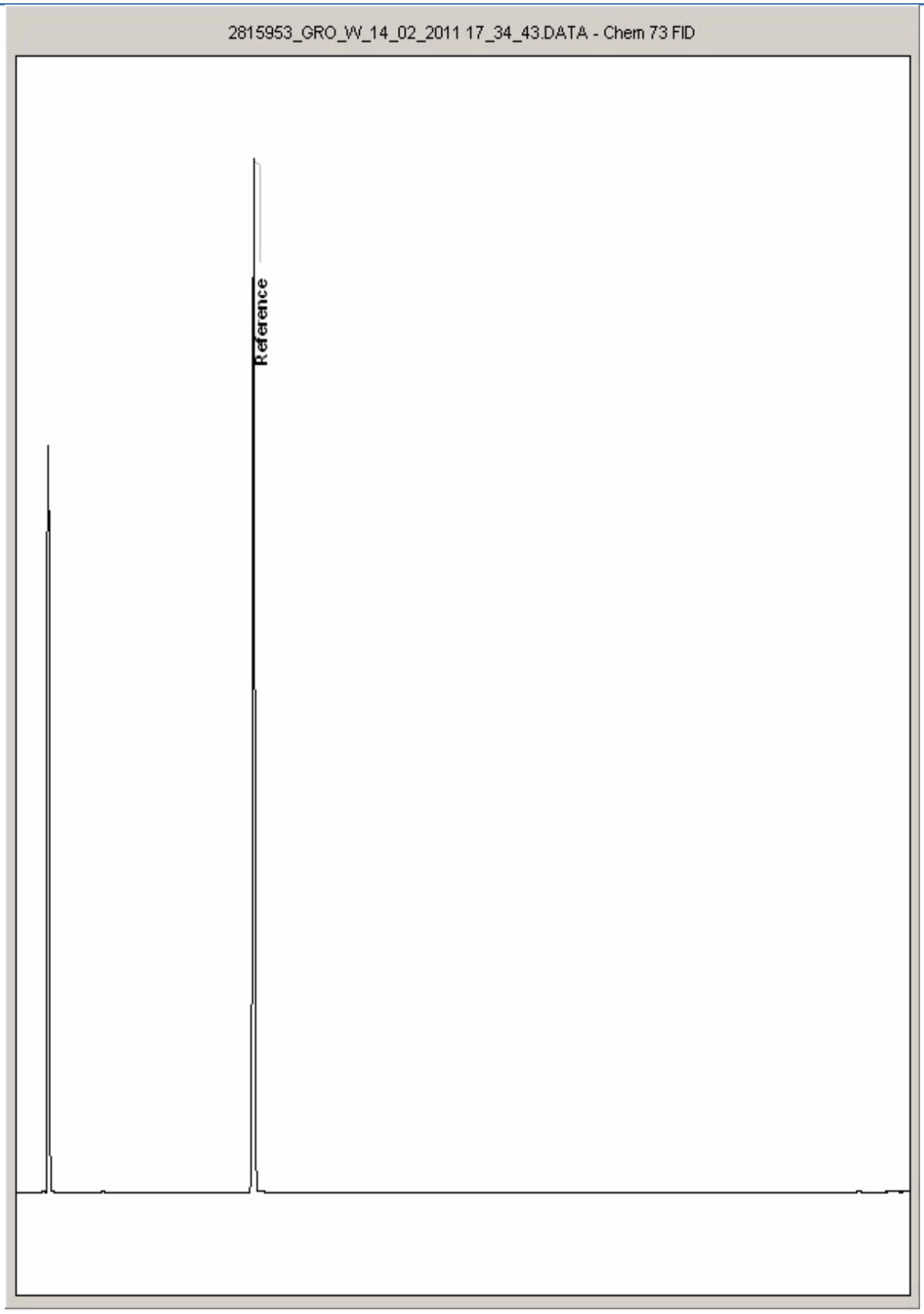
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 2815953
Sample ID : NSR IN (EAST)

Depth :



CERTIFICATE OF ANALYSIS

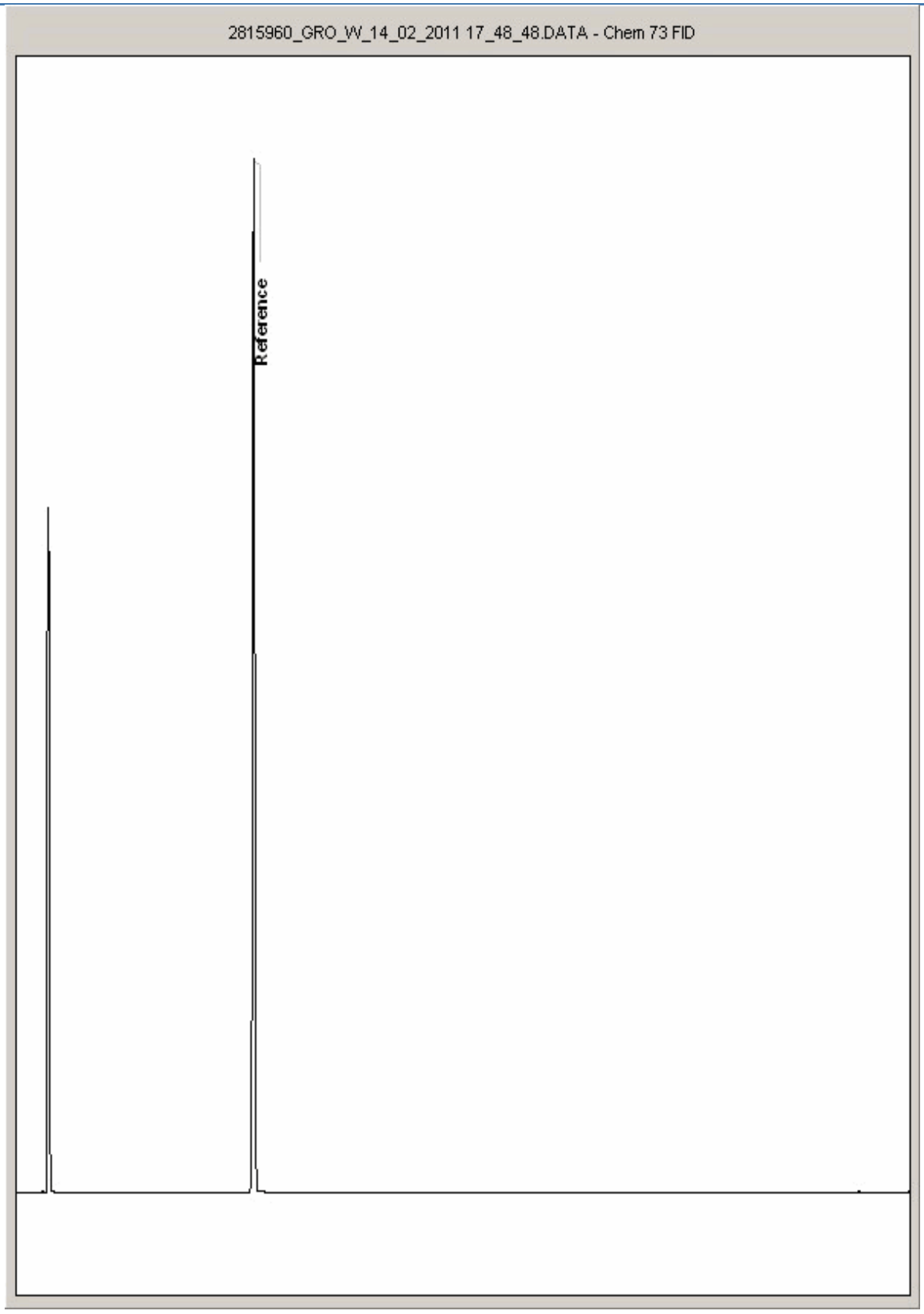
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 2815960
Sample ID : CBL SIPHON

Depth :



CERTIFICATE OF ANALYSIS

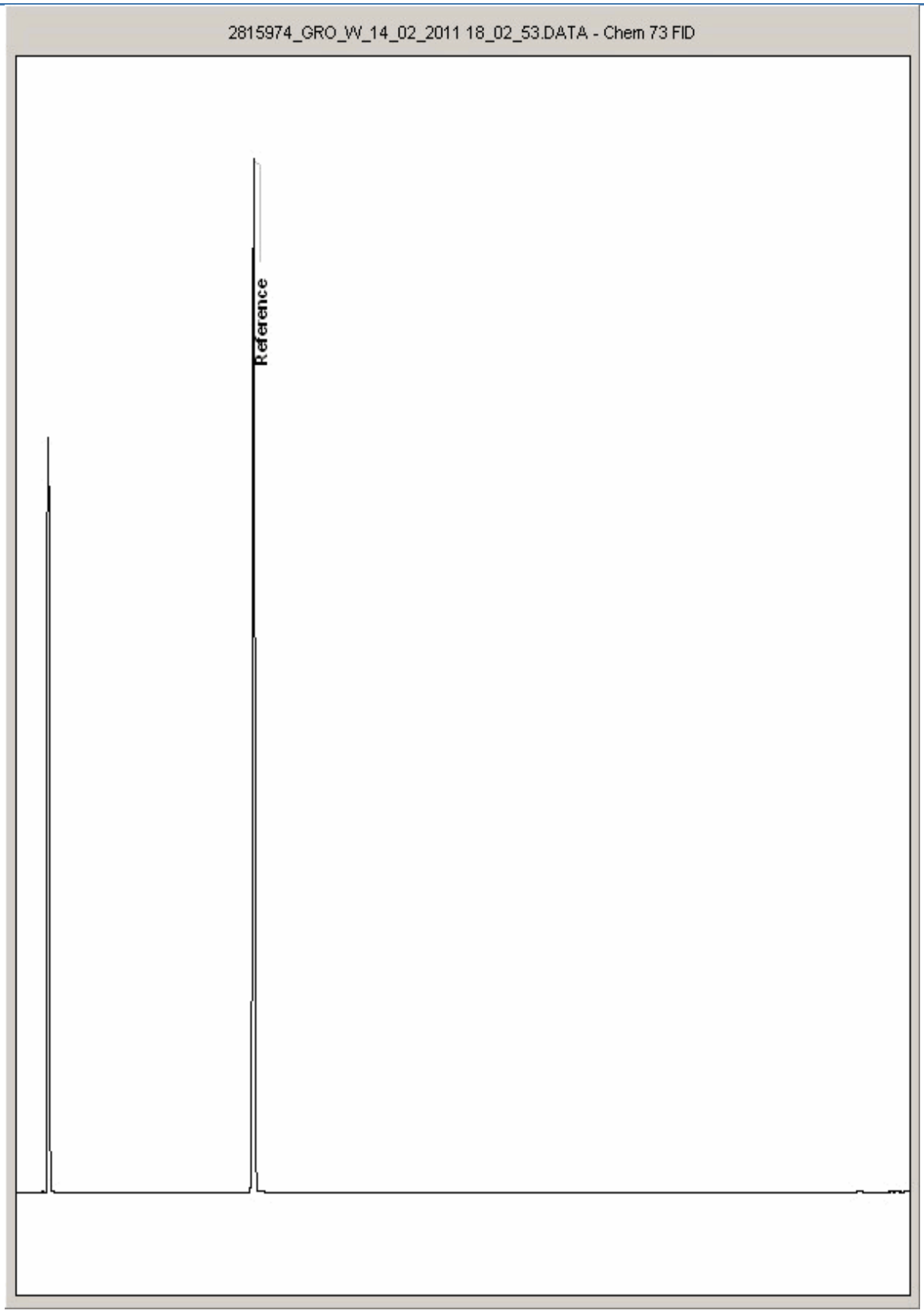
SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 2815974
Sample ID : NSR OUT

Depth :



CERTIFICATE OF ANALYSIS

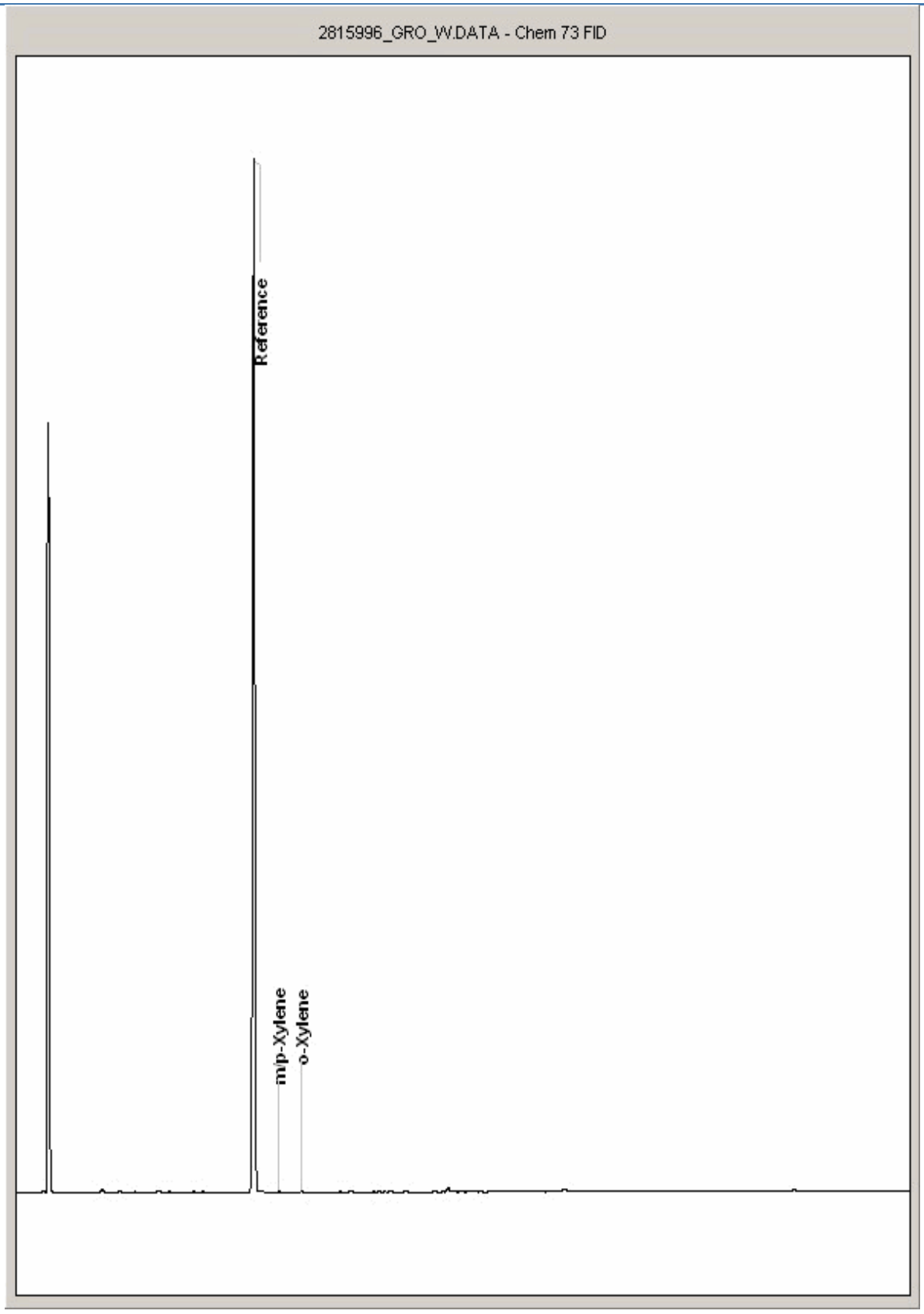
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Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Chromatogram

Analysis: GRO by GC-FID (W)

Sample No : 2815996
Sample ID : NSR IN

Depth :



SDG:	110207-15	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD0090
Job:	H_ATKINS_LDC-99	**Customer:**	Atkins Global Ltd	**Report Number:**	115589
Client Reference:	CBL,,36 inch, NSR IX, API OUT an	**Attention:**	Alex Mann	**Superseded Report:**	

Appendix

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

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

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.

7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample -similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.

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

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

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

11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.

12. Results relate only to the items tested

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

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

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

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).

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

18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not
accredited.

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

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

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

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

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

24. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 -C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
THIN LAYER CHROMATOGRAPHY	D&C	DCM	SOXTHERM	IATROSCAN
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE/ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE/ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (MIN OIL)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (CLEANED UP)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH CWG BY GC	D&C	HEXANE/ACETONE	END OVER END	GC-FID
PCB TOT / PCB CON	D&C	HEXANE/ACETONE	END OVER END	GC-MS
POLYAROMATIC HYDROCARBONS (MS)	WET	HEXANE/ACETONE	MICROWAVE TM218.	GC-MS
C8-C40 (C8-C40) EZ FLASH	WET	HEXANE/ACETONE	SHAKER	GC-EZ
POLYAROMATIC HYDROCARBONS RAPID GC	WET	HEXANE/ACETONE	SHAKER	GC-EZ
SEMI VOLATILE ORGANIC COMPOUNDS	WET	DCM/ACETONE	SONICATE	GC-MS

LIQUID MATRICES EXTRACTION SUMMARY

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

Identification of Asbestos in Bulk Materials

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

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

Visual Estimation Of Fibre Content

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

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

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

Preliminary

ALcontrol Laboratories Analytical Services

SDG:	110331-62	**Customer:**	Atkins Global Ltd
Job:	H_ATKINS_LDC-109	**Attention:**	Selina Bamforth
Client Reference:	Commercial Area	**Order No.:**	
Location:	Coed Darcy Urban Village	**Report No:**	

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	CATP060 NS Z 0.60 SOLID 29/03/2011 00:00:00 31/03/2011 13:22:05 110331-62 3198022 TM048	11/4/11	Tomasz Pawlikowski	Typical of asbestos cement, two separate pieces - one containing both types, other containing just Chrysotile	Not Detected	Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected

ALcontrol Laboratories

Unit 7-8 Hawarden Business Park
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email: mkt@alcontrol.com
Website: www.alcontrol.com

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

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

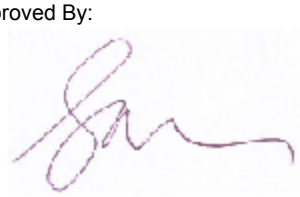
Date:	22 November 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	131114-11
Your Reference:	Concrete Crush
Location:	Coed Darcy
Report No:	251081

We received 5 samples on Thursday November 14, 2013 and 5 of these samples were scheduled for analysis which was completed on Friday November 22, 2013. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

Approved By:



Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8419212	Crush 24		0.00	13/11/2013
8419213	Crush 25		0.00	13/11/2013
8419214	Crush 26		0.00	13/11/2013
8419215	Crush 27		0.00	13/11/2013
8419216	Crush 28		0.00	13/11/2013

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

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			8419212	Crush 24		0.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8419213	Crush 25		0.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8419214	Crush 26		0.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8419215	Crush 27		0.00	250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8419216	Crush 28		0.00	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
							X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
Metals in solid samples by OES	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
pH	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
Sample description	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
Total Organic Carbon	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
TPH CWG GC (S)	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X
VOC MS (S)	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
							X

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Sample Descriptions

Grain Sizes

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

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
8419212	Crush 24	0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Concrete/Aggregate
8419213	Crush 25	0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Concrete/Aggregate
8419214	Crush 26	0.00	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones	Concrete/Aggregate
8419215	Crush 27	0.00	Grey	Loamy Sand	0.1 - 2 mm	Stones	Concrete/Aggregate
8419216	Crush 28	0.00	Grey	Sand	0.1 - 2 mm	Stones	Concrete/Aggregate

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:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	Crush 24	Crush 25	Crush 26	Crush 27	Crush 28
			Depth (m)	0.00	0.00	0.00	0.00	0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/11/2013	13/11/2013	13/11/2013	13/11/2013	13/11/2013
			Sample Time	.	.	.	.	.
			Date Received	14/11/2013	14/11/2013	14/11/2013	14/11/2013	14/11/2013
			SDG Ref	131114-11	131114-11	131114-11	131114-11	131114-11
			Lab Sample No.(s)	8419212	8419213	8419214	8419215	8419216
			AGS Reference					
Soil Organic Matter (SOM)	<0.35 %	TM132		1.31 #	1.11 #	0.74 #	1.44 #	1.25 #
pH	1 pH Units	TM133		12 M	12.2 M	12.1 M	12 M	12.1 M
Arsenic	<0.6 mg/kg	TM181		11.2 M	28.6 M	8.6 M	12.5 M	12.8 M
Cadmium	<0.02 mg/kg	TM181		0.57 M	0.801 M	0.395 M	0.609 M	0.457 M
Chromium	<0.9 mg/kg	TM181		16.6 M	14.4 M	12.6 M	14.4 M	14.7 M
Copper	<1.4 mg/kg	TM181		27.9 M	60.5 M	12.1 M	27.5 M	24.6 M
Lead	<0.7 mg/kg	TM181		34.2 M	345 M	38.6 M	48.4 M	25.3 M
Mercury	<0.14 mg/kg	TM181		0.35 M	2.03 M	0.386 M	0.617 M	0.335 M
Nickel	<0.2 mg/kg	TM181		17.3 M	23.2 M	20.7 M	17.6 M	21.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		18.5 #	17.5 #	14.4 #	18.8 #	20.8 #
Zinc	<1.9 mg/kg	TM181		135 M	511 M	79.2 M	128 M	68.9 M

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	Crush 24	Crush 25	Crush 26	Crush 27	Crush 28
			Depth (m)	0.00	0.00	0.00	0.00	0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/11/2013	13/11/2013	13/11/2013	13/11/2013	13/11/2013
			Sample Time	.	.	.	.	.
			Date Received	14/11/2013	14/11/2013	14/11/2013	14/11/2013	14/11/2013
			SDG Ref	131114-11	131114-11	131114-11	131114-11	131114-11
			Lab Sample No.(s)	8419212	8419213	8419214	8419215	8419216
			AGS Reference					
Phenol	<100 µg/kg	TM157		<100	<100	112	<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	1060	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	Crush 24	Crush 25	Crush 26	Crush 27	Crush 28
			Depth (m)	0.00	0.00	0.00	0.00	0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/11/2013	13/11/2013	13/11/2013	13/11/2013	13/11/2013
			Sample Time	.	.	.	.	.
			Date Received	14/11/2013	14/11/2013	14/11/2013	14/11/2013	14/11/2013
			SDG Ref	131114-11	131114-11	131114-11	131114-11	131114-11
			Lab Sample No.(s)	8419212	8419213	8419214	8419215	8419216
			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		228	213	530	416	681
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		132	135	<100	151	<100
Anthracene	<100 µg/kg	TM157		152	121	<100	170	<100
Benzo(a)anthracene	<100 µg/kg	TM157		587	399	248	666	189
Benzo(b)fluoranthene	<100 µg/kg	TM157		595	388	233	654	146
Benzo(k)fluoranthene	<100 µg/kg	TM157		490	309	227	487	118
Benzo(a)pyrene	<100 µg/kg	TM157		557	372	268	604	169
Benzo(g,h,i)perylene	<100 µg/kg	TM157		289	245	156	377	<100
Chrysene	<100 µg/kg	TM157		743	539	383	796	246
Fluoranthene	<100 µg/kg	TM157		1000	559	454	987	303
Fluorene	<100 µg/kg	TM157		<100	181	<100	126	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		258	187	121	332	<100
Phenanthrene	<100 µg/kg	TM157		638	750	517	734	388
Pyrene	<100 µg/kg	TM157		723	704	460	947	338
Naphthalene	<100 µg/kg	TM157		137	131	203	228	239
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	120	<100

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	Crush 24	Crush 25	Crush 26	Crush 27	Crush 28
			Depth (m)	0.00	0.00	0.00	0.00	0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/11/2013	13/11/2013	13/11/2013	13/11/2013	13/11/2013
			Sample Time	.	.	.	.	.
			Date Received	14/11/2013	14/11/2013	14/11/2013	14/11/2013	14/11/2013
			SDG Ref	131114-11	131114-11	131114-11	131114-11	131114-11
			Lab Sample No.(s)	8419212	8419213	8419214	8419215	8419216
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		73	78	72	79	76
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		1400 M	2650 M	1150 M	2470 M	3130 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		18.6 M	15.7 M	22.3 M	14.6 M	14.9 M
Toluene	<2 µg/kg	TM089		51.6 M	30.2 M	36.1 M	26.9 M	29.9 M
Ethylbenzene	<3 µg/kg	TM089		25.2 M	15.7 M	13.8 M	12.3 M	17.1 M
m,p-Xylene	<6 µg/kg	TM089		75.7 M	66.1 M	59.4 M	49.3 M	50.1 M
o-Xylene	<3 µg/kg	TM089		34 M	29.1 M	19.1 M	<3 M	<3 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		110	95.2	78.5	49.3	50.1
sum of detected BTEX by GC	<24 µg/kg	TM089		205	157	151	103	112
Aliphatics >C5-C6	<10 µg/kg	TM089		24.1	32.5	26.5	25.8	28.8
Aliphatics >C6-C8	<10 µg/kg	TM089		114	138	87	131	156
Aliphatics >C8-C10	<10 µg/kg	TM089		281	403	171	337	553
Aliphatics >C10-C12	<10 µg/kg	TM089		350	991	361	988	1150
Aliphatics >C12-C16	<100 µg/kg	TM173		24400	63500	45000	22000	39900
Aliphatics >C16-C21	<100 µg/kg	TM173		47500	146000	86700	49400	55700
Aliphatics >C21-C35	<100 µg/kg	TM173		136000	232000	118000	145000	89200
Aliphatics >C35-C44	<100 µg/kg	TM173		35900	41500	16800	40200	22900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		244000	482000	266000	257000	208000
Aromatics >EC5-EC7	<10 µg/kg	TM089		18.6	15.7	22.3	14.6	14.9
Aromatics >EC7-EC8	<10 µg/kg	TM089		51.6	30.2	36.1	26.9	29.9
Aromatics >EC8-EC10	<10 µg/kg	TM089		323	380	206	287	435
Aromatics >EC10-EC12	<10 µg/kg	TM089		234	661	241	659	766
Aromatics >EC12-EC16	<100 µg/kg	TM173		15300	50500	29100	18400	19700
Aromatics >EC16-EC21	<100 µg/kg	TM173		43900	129000	67800	49400	37900
Aromatics >EC21-EC35	<100 µg/kg	TM173		134000	214000	119000	160000	76100
Aromatics >EC35-EC44	<100 µg/kg	TM173		62200	74900	43200	83000	33200
Aromatics >EC40-EC44	<100 µg/kg	TM173		25500	29800	17000	35500	13900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		255000	469000	260000	311000	167000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		500000	954000	527000	570000	378000

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	Crush 24	Crush 25	Crush 26	Crush 27	Crush 28
			Depth (m)	0.00	0.00	0.00	0.00	0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/11/2013	13/11/2013	13/11/2013	13/11/2013	13/11/2013
			Sample Time	.	.	.	.	.
			Date Received	14/11/2013	14/11/2013	14/11/2013	14/11/2013	14/11/2013
			SDG Ref	131114-11	131114-11	131114-11	131114-11	131114-11
			Lab Sample No.(s)	8419212	8419213	8419214	8419215	8419216
			AGS Reference					
Dibromofluoromethane**	%	TM116		109	104	105	105	102
Toluene-d8**	%	TM116		99.6	96.5	98.8	98.2	97
4-Bromofluorobenzene**	%	TM116		128	124	130	112	116
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<8 M	<4 M	<8 M	<8 M
Chloromethane	<7 µg/kg	TM116		<7	<14	<7	<14	<14
Vinyl Chloride	<10 µg/kg	TM116		<10	<20	<10	<20	<20
Bromomethane	<13 µg/kg	TM116		<13 M	<26 M	<13 M	<26 M	<26 M
Chloroethane	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<28 M	<28 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<12 M	<6 M	<12 M	<12 M
1,1-Dichloroethene	<10 µg/kg	TM116		<10 #	<20 #	<10 #	<20 #	<20 #
Carbon Disulphide	<7 µg/kg	TM116		10.8 M	21 M	16.2 M	<14 M	21.3 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<20 #	<10 #	<20 #	<20 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<22 M	<22 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<22 M	<22 M
1,1-Dichloroethane	<8 µg/kg	TM116		<8 M	<16 M	<8 M	<16 M	<16 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<10 M	<10 M
2,2-Dichloropropane	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<24 M	<24 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<28 M	<28 M
Chloroform	<8 µg/kg	TM116		<8 M	<16 M	<8 M	<16 M	<16 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<7 M	<14 M	<7 M	<14 M	<14 M
1,1-Dichloropropene	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<22 M	<22 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<28 M	<28 M
1,2-Dichloroethane	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<10 M	<10 M
Benzene	<9 µg/kg	TM116		37 M	40.2 M	40.1 M	31.3 M	30.8 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<18 M	<9 M	<18 M	<18 M
1,2-Dichloropropane	<12 µg/kg	TM116		<12 M	85.8 M	<12 M	89.6 M	<24 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<18 M	<9 M	<18 M	<18 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<14 M	<7 M	<14 M	<14 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<28 M	<28 M
Toluene	<5 µg/kg	TM116		60.4 M	51.9 M	62.4 M	46.4 M	55 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<100	<200	<100	<200	<200
1,1,2-Trichloroethane	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<20 M	<20 M

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	Crush 24	Crush 25	Crush 26	Crush 27	Crush 28
			Depth (m)	0.00	0.00	0.00	0.00	0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/11/2013	13/11/2013	13/11/2013	13/11/2013	13/11/2013
			Sample Time	.	.	.	.	.
			Date Received	14/11/2013	14/11/2013	14/11/2013	14/11/2013	14/11/2013
			SDG Ref	131114-11	131114-11	131114-11	131114-11	131114-11
			Lab Sample No.(s)	8419212	8419213	8419214	8419215	8419216
			AGS Reference					
1,3-Dichloropropane	<7 µg/kg	TM116		<7 #	<14 #	<7 #	<14 #	<14 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<10 M	<10 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<26 M	<13 M	<26 M	<26 M
1,2-Dibromoethane	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<24 M	<24 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<10 M	<10 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<20 M	<20 M
Ethylbenzene	<4 µg/kg	TM116		16.1 M	22.6 M	15.4 M	11 M	16 M
p/m-Xylene	<14 µg/kg	TM116		63.8 #	90.6 #	70.8 #	56.7 #	57.3 #
o-Xylene	<10 µg/kg	TM116		15.4 M	25.5 M	14.3 M	<20 M	<20 M
Styrene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<20 M	<20 M
Bromoform	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<20 M	<20 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<10 M	<10 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<20 #	<10 #	<20 #	<20 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<17 M	<34 M	<17 M	<34 M	<34 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<20 M	<20 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<22 M	<22 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<18 M	<9 M	<18 M	<18 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		11.7 #	41.3 #	12.1 #	<16 #	17.5 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<24 M	<24 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<24 #	<12 #	<24 #	<24 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		58.1 #	283 #	76.5 #	82.1 #	82.2 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<20 M	<20 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<22 M	<11 M	<22 M	<22 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<12 M	<6 M	<12 M	<12 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<10 M	<5 M	<10 M	<10 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<20 M	<10 M	<20 M	<20 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<24 M	<12 M	<24 M	<24 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<28 M	<14 M	<28 M	<28 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<30	<15	<30	<30
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<12 #	<6 #	<12 #	<12 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<24	<12	<24	<24
Naphthalene	<13 µg/kg	TM116		<13 M	184 M	<13 M	119 M	<26 M

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	Crush 24	Crush 25	Crush 26	Crush 27	Crush 28
			Depth (m)	0.00	0.00	0.00	0.00	0.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/11/2013	13/11/2013	13/11/2013	13/11/2013	13/11/2013
			Sample Time	.	.	.	.	.
			Date Received	14/11/2013	14/11/2013	14/11/2013	14/11/2013	14/11/2013
			SDG Ref	131114-11	131114-11	131114-11	131114-11	131114-11
			Lab Sample No.(s)	8419212	8419213	8419214	8419215	8419216
			AGS Reference					
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<12 M	<6 M	<12 M	<12 M

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Asbestos Identification - Solid Samples

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	Crush 24 0.00 SOLID 13/11/2013 00:00:00 131114-11 8419212 TM048	20/11/13	Chris Swindells	Soil containing material typical of AC	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	Crush 25 0.00 SOLID 13/11/2013 00:00:00 131114-11 8419213 TM048	20/11/13	Chris Swindells	Loose fibres in soil	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	Crush 26 0.00 SOLID 13/11/2013 00:00:00 131114-11 8419214 TM048	20/11/13	Chris Swindells	Loose fibres in soil	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	Crush 27 0.00 SOLID 13/11/2013 00:00:00 131114-11 8419215 TM048	20/11/13	Chris Swindells	Loose fibres in soil	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	Crush 28 0.00 SOLID 13/11/2013 00:00:00 131114-11 8419216 TM048	20/11/13	Chris Swindells	Loose fibres in soil	Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8419212	8419213	8419214	8419215	8419216
Customer Sample Ref.	Crush 24	Crush 25	Crush 26	Crush 27	Crush 28
AGS Ref.					
Depth	0.00	0.00	0.00	0.00	0.00
Type	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	21-Nov-2013	21-Nov-2013	21-Nov-2013	21-Nov-2013	21-Nov-2013
EPH CWG (Aliphatic) GC (S)	19-Nov-2013	19-Nov-2013	19-Nov-2013	19-Nov-2013	20-Nov-2013
EPH CWG (Aromatic) GC (S)	19-Nov-2013	19-Nov-2013	19-Nov-2013	19-Nov-2013	20-Nov-2013
GRO by GC-FID (S)	19-Nov-2013	19-Nov-2013	19-Nov-2013	19-Nov-2013	19-Nov-2013
Metals in solid samples by OES	22-Nov-2013	22-Nov-2013	22-Nov-2013	22-Nov-2013	22-Nov-2013
pH	20-Nov-2013	19-Nov-2013	19-Nov-2013	19-Nov-2013	19-Nov-2013
Sample description	15-Nov-2013	15-Nov-2013	15-Nov-2013	15-Nov-2013	15-Nov-2013
Semi Volatile Organic Compounds	19-Nov-2013	20-Nov-2013	19-Nov-2013	20-Nov-2013	20-Nov-2013
Total Organic Carbon	22-Nov-2013	22-Nov-2013	22-Nov-2013	22-Nov-2013	22-Nov-2013
TPH CWG GC (S)	19-Nov-2013	19-Nov-2013	19-Nov-2013	19-Nov-2013	20-Nov-2013
VOC MS (S)	20-Nov-2013	20-Nov-2013	20-Nov-2013	20-Nov-2013	20-Nov-2013

SDG:	131114-11	**Location:**	Coed Darcy	**Order Number:**	CD0542
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251081
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix
General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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Atkins Global Ltd
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Suite 24
Coed Darcy
Llandarcy
SA10 6HJ

Attention: Jack Lowrie

CERTIFICATE OF ANALYSIS

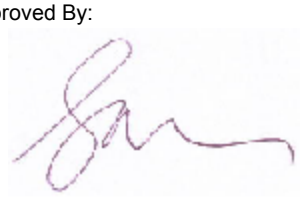
Date:	28 November 2013
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	131121-54
Your Reference:	Concrete Crush
Location:	Coed Darcy
Report No:	251858

We received 5 samples on Thursday November 21, 2013 and 5 of these samples were scheduled for analysis which was completed on Thursday November 28, 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:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
8456591	CRUSH29			20/11/2013
8456585	CRUSH30			20/11/2013
8456586	CRUSH31			20/11/2013
8456587	CRUSH32			20/11/2013
8456589	CRUSH33			20/11/2013

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

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			8456591	CRUSH29			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8456585	CRUSH30			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8456586	CRUSH31			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8456587	CRUSH32			250g Amber Jar (AL
							400g Tub (ALE214)
							60g VOC (ALE215)
			8456589	CRUSH33			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 (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
Sample description	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
Total Organic Carbon	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
TPH CWG GC (S)	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X
VOC MS (S)	All	NDPs: 0 Tests: 5					
							X
							X
							X
							X
							X

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Sample Descriptions

Grain Sizes

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

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions	Inclusions 2
8456591	CRUSH29		Black	Loamy Sand	0.1 - 2 mm	Brick	Stones
8456585	CRUSH30		Black	Sand	0.1 - 2 mm	Brick	Stones
8456586	CRUSH31		Dark Brown	Sand	0.1 - 2 mm	Brick	Stones
8456587	CRUSH32		Black	Sand	0.1 - 2 mm	Stones	None
8456589	CRUSH33		Dark Brown	Sand	0.1 - 2 mm	Crushed Brick	Stones

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CRUSH29	CRUSH30	CRUSH31	CRUSH32	CRUSH33
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/11/2013	20/11/2013	20/11/2013	20/11/2013	20/11/2013
			Sample Time	.	.	.	.	.
			Date Received	21/11/2013	21/11/2013	21/11/2013	21/11/2013	21/11/2013
			SDG Ref	131121-54	131121-54	131121-54	131121-54	131121-54
			Lab Sample No.(s)	8456591	8456585	8456586	8456587	8456589
			AGS Reference					
Moisture Content Ratio	%	PM024		9.4	6.3	11	7.9	9.9
Soil Organic Matter (SOM)	<0.35 %	TM132		3.6 #	0.784 #	1.31 #	1.24 #	1.97 #
pH	1 pH Units	TM133		12 M	11.8 M	11.6 M	11.7 M	11.9 M
Arsenic	<0.6 mg/kg	TM181		20.6 M	11.8 M	17.9 M	17.1 M	24.6 M
Cadmium	<0.02 mg/kg	TM181		0.587 M	0.277 M	0.43 M	0.389 M	0.33 M
Chromium	<0.9 mg/kg	TM181		22.2 M	13.4 M	23.2 M	15.5 M	15.3 M
Copper	<1.4 mg/kg	TM181		97.7 M	42.7 M	52 M	42.7 M	64.5 M
Lead	<0.7 mg/kg	TM181		158 M	65.9 M	98.1 M	80.7 M	117 M
Mercury	<0.14 mg/kg	TM181		0.864 M	0.652 M	1.14 M	0.82 M	1.04 M
Nickel	<0.2 mg/kg	TM181		24.9 M	21.6 M	19.7 M	21.5 M	19.4 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.71 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		29.9 #	17.3 #	47.7 #	21.6 #	21.7 #
Zinc	<1.9 mg/kg	TM181		443 M	227 M	293 M	287 M	692 M

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CRUSH29	CRUSH30	CRUSH31	CRUSH32	CRUSH33
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/11/2013	20/11/2013	20/11/2013	20/11/2013	20/11/2013
			Sample Time	.	.	.	.	.
			Date Received	21/11/2013	21/11/2013	21/11/2013	21/11/2013	21/11/2013
			SDG Ref	131121-54	131121-54	131121-54	131121-54	131121-54
			Lab Sample No.(s)	8456591	8456585	8456586	8456587	8456589
			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	211
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	138
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	4850
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:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	CRUSH29	CRUSH30	CRUSH31	CRUSH32	CRUSH33
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/11/2013	20/11/2013	20/11/2013	20/11/2013	20/11/2013
			Sample Time	.	.	.	.	.
			Date Received	21/11/2013	21/11/2013	21/11/2013	21/11/2013	21/11/2013
			SDG Ref	131121-54	131121-54	131121-54	131121-54	131121-54
			Lab Sample No.(s)	8456591	8456585	8456586	8456587	8456589
			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		2730	2930	1110	1210	4340
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		152	225	115	192	482
Anthracene	<100 µg/kg	TM157		116	170	180	257	332
Benzo(a)anthracene	<100 µg/kg	TM157		464	558	689	1690	866
Benzo(b)fluoranthene	<100 µg/kg	TM157		419	574	618	1480	833
Benzo(k)fluoranthene	<100 µg/kg	TM157		358	474	521	1220	620
Benzo(a)pyrene	<100 µg/kg	TM157		486	614	730	1530	855
Benzo(g,h,i)perylene	<100 µg/kg	TM157		275	371	440	805	497
Chrysene	<100 µg/kg	TM157		558	621	773	1780	934
Fluoranthene	<100 µg/kg	TM157		767	884	1130	2270	1420
Fluorene	<100 µg/kg	TM157		127	199	112	168	489
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		249	333	396	767	440
Phenanthrene	<100 µg/kg	TM157		535	734	657	900	1480
Pyrene	<100 µg/kg	TM157		692	769	920	1780	1320
Naphthalene	<100 µg/kg	TM157		336	339	171	190	415
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	110	134	297	153

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CRUSH29	CRUSH30	CRUSH31	CRUSH32	CRUSH33
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/11/2013	20/11/2013	20/11/2013	20/11/2013	20/11/2013
			Sample Time	.	.	.	.	.
			Date Received	21/11/2013	21/11/2013	21/11/2013	21/11/2013	21/11/2013
			SDG Ref	131121-54	131121-54	131121-54	131121-54	131121-54
			Lab Sample No.(s)	8456591	8456585	8456586	8456587	8456589
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		71	126	45	77	91
GRO TOT (Moisture Corrected)	<44 µg/kg	TM089		922 M	16100 M	810 M	1230 M	1680 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		13.2 M	<2 M	10.1 M	11.9 M	13.3 M
Ethylbenzene	<3 µg/kg	TM089		7.7 M	<3 M	3.36 M	6.52 M	9.99 M
m,p-Xylene	<6 µg/kg	TM089		22 M	<6 M	14.6 M	21.7 M	26.6 M
o-Xylene	<3 µg/kg	TM089		9.9 M	<3 M	11.2 M	11.9 M	16.7 M
sum of detected mpo xylene by GC	<9 µg/kg	TM089		31.9	<9	25.8	33.6	43.3
sum of detected BTEX by GC	<24 µg/kg	TM089		52.8	<24	39.3	52	66.6
Aliphatics >C5-C6	<10 µg/kg	TM089		24.2	124	16.8	21.7	18.9
Aliphatics >C6-C8	<10 µg/kg	TM089		93.5	1950	58.2	80.4	101
Aliphatics >C8-C10	<10 µg/kg	TM089		162	3780	123	207	276
Aliphatics >C10-C12	<10 µg/kg	TM089		285	4630	290	433	613
Aliphatics >C12-C16	<100 µg/kg	TM173		299000	59300	55100	41100	35700
Aliphatics >C16-C21	<100 µg/kg	TM173		165000	119000	103000	104000	83100
Aliphatics >C21-C35	<100 µg/kg	TM173		431000	471000	378000	418000	385000
Aliphatics >C35-C44	<100 µg/kg	TM173		101000	115000	86400	101000	94400
Total Aliphatics >C12-C44	<100 µg/kg	TM173		997000	764000	622000	664000	598000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		13.2	<10	10.1	11.9	13.3
Aromatics >EC8-EC10	<10 µg/kg	TM089		149	2520	112	178	239
Aromatics >EC10-EC12	<10 µg/kg	TM089		189	3090	194	289	408
Aromatics >EC12-EC16	<100 µg/kg	TM173		336000	41900	40000	22200	29800
Aromatics >EC16-EC21	<100 µg/kg	TM173		147000	79000	115000	67200	52600
Aromatics >EC21-EC35	<100 µg/kg	TM173		392000	297000	363000	298000	259000
Aromatics >EC35-EC44	<100 µg/kg	TM173		150000	114000	127000	119000	121000
Aromatics >EC40-EC44	<100 µg/kg	TM173		61000	45300	49600	49400	53000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1020000	532000	646000	506000	462000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2020000	1310000	1270000	1170000	1060000

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
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Component	LOD/Units	Method	Customer Sample R	CRUSH29	CRUSH30	CRUSH31	CRUSH32	CRUSH33
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/11/2013	20/11/2013	20/11/2013	20/11/2013	20/11/2013
			Sample Time	.	.	.	.	.
			Date Received	21/11/2013	21/11/2013	21/11/2013	21/11/2013	21/11/2013
			SDG Ref	131121-54	131121-54	131121-54	131121-54	131121-54
			Lab Sample No.(s)	8456591	8456585	8456586	8456587	8456589
			AGS Reference					
Dibromofluoromethane**	%	TM116		105	111	107	109	106
Toluene-d8**	%	TM116		101	101	101	101	102
4-Bromofluorobenzene**	%	TM116		104	100	103	103	99.3
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M
Chloromethane	<7 µg/kg	TM116		<140	<140	<140	<140	<140
Vinyl Chloride	<10 µg/kg	TM116		<200	<200	<200	<200	<200
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M
1,1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
trans-1,2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
1,1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M
cis-1,2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
2,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<160 M	<160 M
1,1,1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M
1,1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
1,2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M
1,2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<140 M	<140 M
cis-1,3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
trans-1,3-Dichloropropene	<100 µg/kg	TM116		<2000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CRUSH29	CRUSH30	CRUSH31	CRUSH32	CRUSH33
			Depth (m)	.	.	.	.	.
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/11/2013	20/11/2013	20/11/2013	20/11/2013	20/11/2013
			Sample Time	.	.	.	.	.
			Date Received	21/11/2013	21/11/2013	21/11/2013	21/11/2013	21/11/2013
			SDG Ref	131121-54	131121-54	131121-54	131121-54	131121-54
			Lab Sample No.(s)	8456591	8456585	8456586	8456587	8456589
			AGS Reference					
1,3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<140 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M
1,2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
1,1,1,2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<80 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<280 #	<280 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
1,1,2,2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<200 #	<200 #
1,2,3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<340 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<180 M	<180 M
1,3,5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<160 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<240 #	<240 #
1,2,4-Trimethylbenzene	<9 µg/kg	TM116		<180 #	<180 #	<180 #	<180 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<220 M	<220 M
1,3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M
1,4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<100 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<200 M	<200 M
1,2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<240 M	<240 M
1,2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<280 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	<6 µg/kg	TM116		<120 #	<120 #	<120 #	<120 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<240	<240
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<260 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

VOC MS (S)

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

Component	LOD/Units	Method	Customer Sample R	CRUSH29	CRUSH30	CRUSH31	CRUSH32	CRUSH33	
			Depth (m)	.	.	.	.	.	
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	
			Date Sampled	20/11/2013	20/11/2013	20/11/2013	20/11/2013	20/11/2013	
			Sample Time	.	.	.	.	.	
			Date Received	21/11/2013	21/11/2013	21/11/2013	21/11/2013	21/11/2013	
			SDG Ref	131121-54	131121-54	131121-54	131121-54	131121-54	
			Lab Sample No.(s)	8456591	8456585	8456586	8456587	8456589	
			AGS Reference						
1,2,3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<120 M	<120 M	

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Asbestos Identification - Solid Samples

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	CRUSH29 SOLID 20/11/2013 00:00:00 131121-54 8456591 TM048	27/11/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Detected (#)	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	CRUSH30 SOLID 20/11/2013 00:00:00 131121-54 8456585 TM048	27/11/13	Lauren Sargeant	Loose fibres in soil	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	CRUSH31 SOLID 20/11/2013 00:00:00 131121-54 8456586 TM048	27/11/13	Lauren Sargeant	Soil containing ACM debris	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	CRUSH32 SOLID 20/11/2013 00:00:00 131121-54 8456587 TM048	27/11/13	Lauren Sargeant	Loose fibres in soil	Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	CRUSH33 SOLID 20/11/2013 00:00:00 131121-54 8456589 TM048	27/11/13	Lauren Sargeant	Loose fibres in soil	Trace (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Table of Results - Appendix

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

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

CERTIFICATE OF ANALYSIS

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	8456591	8456585	8456586	8456587	8456589
Customer Sample Ref.	CRUSH29	CRUSH30	CRUSH31	CRUSH32	CRUSH33
AGS Ref.					
Depth					
Type	SOLID	SOLID	SOLID	SOLID	SOLID
Asbestos ID in Solid Samples	27-Nov-2013	27-Nov-2013	27-Nov-2013	27-Nov-2013	27-Nov-2013
EPH CWG (Aliphatic) GC (S)	27-Nov-2013	27-Nov-2013	28-Nov-2013	27-Nov-2013	28-Nov-2013
EPH CWG (Aromatic) GC (S)	27-Nov-2013	27-Nov-2013	28-Nov-2013	27-Nov-2013	28-Nov-2013
GRO by GC-FID (S)	23-Nov-2013	25-Nov-2013	26-Nov-2013	23-Nov-2013	23-Nov-2013
Metals in solid samples by OES	26-Nov-2013	27-Nov-2013	27-Nov-2013	27-Nov-2013	27-Nov-2013
pH	25-Nov-2013	25-Nov-2013	25-Nov-2013	25-Nov-2013	25-Nov-2013
Sample description	22-Nov-2013	22-Nov-2013	22-Nov-2013	22-Nov-2013	22-Nov-2013
Semi Volatile Organic Compounds	26-Nov-2013	26-Nov-2013	26-Nov-2013	26-Nov-2013	26-Nov-2013
Total Organic Carbon	27-Nov-2013	27-Nov-2013	27-Nov-2013	27-Nov-2013	27-Nov-2013
TPH CWG GC (S)	27-Nov-2013	27-Nov-2013	28-Nov-2013	27-Nov-2013	28-Nov-2013
VOC MS (S)	27-Nov-2013	27-Nov-2013	27-Nov-2013	27-Nov-2013	27-Nov-2013

SDG:	131121-54	**Location:**	Coed Darcy	**Order Number:**	CD0546
Job:	H_ATKINS_LDC-187	**Customer:**	Atkins Global Ltd	**Report Number:**	251858
Client Reference:	Concrete Crush	**Attention:**	Jack Lowrie	**Superseded Report:**	

Appendix
General

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

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

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

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

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

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

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

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

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

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

11. Results relate only to the items tested.

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

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

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

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

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

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

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

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

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

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

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

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

Sample Deviations

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

Asbestos

Identification of Asbestos in Bulk Materials & Soils

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

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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SA10 6HJ

Attention: Selina Bamforth

CERTIFICATE OF ANALYSIS

Date:	06 April 2011
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	110325-2
Your Reference:	Commercial Area
Location:	Coed Darcy Urban Village
Report No:	124416

This report directly supersedes report 124415 in its entirety.

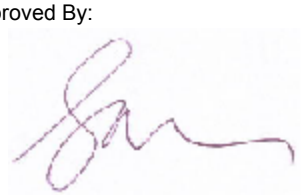
We received 14 samples on Friday March 25, 2011 and 13 of these samples were scheduled for analysis which was completed on Wednesday April 06, 2011. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

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

Approved By:



Sonia McWhan

Operations Manager

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

UKAS TESTING 1291

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

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
3157537	CATP001		0.30	24/03/2011
3157539	CATP001		0.70	24/03/2011
3157540	CATP001		1.30	24/03/2011
3157541	CATP002		0.40	24/03/2011
3157542	CATP002		0.80	24/03/2011
3157543	CATP002		1.50	24/03/2011
3157544	CATP003		0.20	24/03/2011
3157545	CATP003		0.80	24/03/2011
3157546	CATP003		1.80	24/03/2011
3157547	CATP004		0.20	24/03/2011
3157548	CATP004		0.70	24/03/2011
3157549	CATP006		0.50	24/03/2011
3157550	CATP006		1.20	24/03/2011
3157551	CATP007		0.30	24/03/2011

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

CERTIFICATE OF ANALYSIS

Validated

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

SOLID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			3157537			3157539	3157540			3157542			3157543			3157544			3157545			3157546			3157547			3157548			3157549			3157550			3157551		
Customer Sample Reference			CATP001			CATP001	CATP001			CATP002			CATP002			CATP003			CATP003			CATP003			CATP004			CATP004			CATP006			CATP006			CATP007		
AGS Reference																																							
Depth (m)			0.30			0.70	1.30			0.80			1.50			0.20			0.80			1.80			0.20			0.70			0.50			1.20			0.30		
Container			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	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
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
Anions by Kone (soil)	All	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 9		X		X					X						X			X						X			X			X						X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 12			X				X			X			X			X			X			X			X			X			X			X			X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
	Cadmium	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
	Chromium	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
	Copper	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
	Lead	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
	Mercury	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
	Nickel	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
	Selenium	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
	Vanadium	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

SOLID

Results Legend

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

Lab Sample No(s)			3157537			3157539	3157540			3157542			3157543			3157544			3157545			3157546			3157547			3157548			3157549			3157550			3157551		
Customer Sample Reference			CATP001			CATP001	CATP001			CATP002			CATP002			CATP003			CATP003			CATP003			CATP004			CATP004			CATP006			CATP006			CATP007		
AGS Reference																																								
Depth (m)			0.30			0.70	1.30			0.80			1.50			0.20			0.80			1.80			0.20			0.70			0.50			1.20			0.30		
Container			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	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
Metals by iCap-OES (Soil)	Zinc	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
NO3, NO2 and TON by KONE (s)	All	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 12		X				X			X			X			X			X			X			X			X			X			X			X	
Sample description	All	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 12	X				X			X			X			X			X			X			X			X			X			X			X		

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

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
3157537	CATP001	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3157540	CATP001	1.30	Black	Sand	0.1 - 2 mm	Stones	N/A
3157542	CATP002	0.80	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3157543	CATP002	1.50	Black	Sand	0.1 - 2 mm	Stones	N/A
3157544	CATP003	0.20	Light Brown	Sand	0.1 - 2 mm	Stones	Vegetation
3157545	CATP003	0.80	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3157546	CATP003	1.80	Black	Sand	0.1 - 2 mm	Stones	N/A
3157547	CATP004	0.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Vegetation
3157548	CATP004	0.70	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
3157549	CATP006	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3157550	CATP006	1.20	Black	Sand	0.1 - 2 mm	Stones	N/A
3157551	CATP007	0.30	Light Brown	Sand	0.1 - 2 mm	Stones	Vegetation

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

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

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

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP001	CATP001	CATP001	CATP002	CATP002	CATP003
			Depth (m)	0.30	0.70	1.30	0.80	1.50	0.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011
			Date Received	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011
			SDG Ref	110325-2	110325-2	110325-2	110325-2	110325-2	110325-2
			Lab Sample No.(s)	3157537	3157539	3157540	3157542	3157543	3157544
			AGS Reference						
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected		No ACM Detected		No ACM Detected
pH	1 pH Units	TM133		8.42 M		7.76 M	8.1 M	7.51 M	8.33 M
Arsenic	<0.6 mg/kg	TM181		14.7 M		18.4 M	28.3 M	33.4 M	6.95 M
Cadmium	<0.02 mg/kg	TM181		0.69 M		1.26 M	1.3 M	0.873 M	0.235 M
Chromium	<0.9 mg/kg	TM181		9.06 M		22.2 M	19.2 M	22.1 M	74.4 M
Copper	<1.4 mg/kg	TM181		73.7 M		87.1 M	119 M	159 M	25 M
Lead	<0.7 mg/kg	TM181		46.3 M		108 M	178 M	123 M	21.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M		<0.14 M	1.89 M	1.04 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		45.8 M		29.3 M	30.1 M	44.3 M	7.21 M
Selenium	<1 mg/kg	TM181		<1 #		<1 #	<1 #	<1 #	2.36 #
Vanadium	<0.2 mg/kg	TM181		13.3 #		26.3 #	24.5 #	36.3 #	144 #
Zinc	<1.9 mg/kg	TM181		123 M		369 M	806 M	256 M	70.5 M
Magnesium	<8 mg/kg	TM224		942		15600	3390	2230	1920
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243		0.0126 M		0.023 M	0.0735 M	0.0348 M	<0.008 M
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243		<1		<1	6.44	<1	1.92

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP003	CATP003	CATP004	CATP004	CATP006	CATP006
			Depth (m)	0.80	1.80	0.20	0.70	0.50	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011
			Date Received	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011
			SDG Ref	110325-2	110325-2	110325-2	110325-2	110325-2	110325-2
			Lab Sample No.(s)	3157545	3157546	3157547	3157548	3157549	3157550
			AGS Reference						
Asbestos Containing Material Screen	-	TM001		No ACM Detected		No ACM Detected	No ACM Detected	No ACM Detected	
pH	1 pH Units	TM133		8.29 M	7.08 M	7.22 M	7.14 M	8.54 M	7.86 M
Arsenic	<0.6 mg/kg	TM181		23.9 M	17.4 M	69.3 M	7.86 M	11.2 M	53.5 M
Cadmium	<0.02 mg/kg	TM181		0.684 M	2.2 M	2.57 M	0.172 M	0.48 M	1.41 M
Chromium	<0.9 mg/kg	TM181		12.6 M	22.5 M	20.9 M	15.8 M	6.24 M	24.7 M
Copper	<1.4 mg/kg	TM181		125 M	90.6 M	218 M	12.9 M	32.9 M	230 M
Lead	<0.7 mg/kg	TM181		158 M	70.5 M	123 M	13 M	33.7 M	390 M
Mercury	<0.14 mg/kg	TM181		0.527 M	<0.14 M	6.14 M	<0.14 M	<0.14 M	1.1 M
Nickel	<0.2 mg/kg	TM181		20.2 M	45 M	29.9 M	19.7 M	6.43 M	42.5 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.12 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		19 #	38.8 #	31.5 #	18 #	6.55 #	24.1 #
Zinc	<1.9 mg/kg	TM181		369 M	265 M	332 M	50.4 M	44.8 M	1550 M
Magnesium	<8 mg/kg	TM224		2300	2260	1680	2370	1540	2600
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243		0.0269 M	0.0226 M	0.0245 M	0.0125 M	<0.008 M	0.0482 M
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243		2.78	21.5	6	<1	<1	<1

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP007
			Depth (m)	0.30
			Sample Type	Soil/Solid
			Date Sampled	24/03/2011
			Date Received	25/03/2011
			SDG Ref	110325-2
			Lab Sample No.(s)	3157551
			AGS Reference	
Asbestos Containing Material Screen	-	TM001		No ACM Detected
pH	1 pH Units	TM133		8.43 M
Arsenic	<0.6 mg/kg	TM181		18.3 M
Cadmium	<0.02 mg/kg	TM181		0.608 M
Chromium	<0.9 mg/kg	TM181		10.2 M
Copper	<1.4 mg/kg	TM181		57 M
Lead	<0.7 mg/kg	TM181		67.9 M
Mercury	<0.14 mg/kg	TM181		1.12 M
Nickel	<0.2 mg/kg	TM181		13.8 M
Selenium	<1 mg/kg	TM181		<1 #
Vanadium	<0.2 mg/kg	TM181		16.8 #
Zinc	<1.9 mg/kg	TM181		188 M
Magnesium	<8 mg/kg	TM224		1670
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243		0.0183 M
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243		3.15

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP001	CATP001	CATP002	CATP002	CATP003	CATP003
			Depth (m)	0.30	1.30	0.80	1.50	0.20	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011
			Date Received	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011
			SDG Ref	110325-2	110325-2	110325-2	110325-2	110325-2	110325-2
			Lab Sample No.(s)	3157537	3157540	3157542	3157543	3157544	3157545
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	187	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<200	<200	<200	<200	<200	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	395	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	135	<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	359	<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	474	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP001	CATP001	CATP002	CATP002	CATP003	CATP003
			Depth (m)	0.30	1.30	0.80	1.50	0.20	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011
			Date Received	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011
			SDG Ref	110325-2	110325-2	110325-2	110325-2	110325-2	110325-2
			Lab Sample No.(s)	3157537	3157540	3157542	3157543	3157544	3157545
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	266	<100	2980	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	192	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	212	<100	365	<100	<100
Anthracene	<100 µg/kg	TM157		<100	261	<100	301	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	941	265	595	<100	238
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	1410	410	750	<100	262
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	845	243	452	<100	201
Benzo(a)pyrene	<100 µg/kg	TM157		<100	1170	343	529	<100	249
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	911	254	328	<100	151
Chrysene	<100 µg/kg	TM157		<100	1280	353	940	<100	260
Fluoranthene	<100 µg/kg	TM157		114	1380	377	1010	<100	282
Fluorene	<100 µg/kg	TM157		<100	278	<100	860	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	872	259	350	<100	155
Phenanthrene	<100 µg/kg	TM157		<100	1130	199	2170	<100	126
Pyrene	<100 µg/kg	TM157		<100	1660	413	1560	<100	241
Naphthalene	<100 µg/kg	TM157		<100	223	<100	1670	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	261	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP003	CATP004	CATP004	CATP006	CATP006	CATP007
			Depth (m)	1.80	0.20	0.70	0.50	1.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011
			Date Received	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011
			SDG Ref	110325-2	110325-2	110325-2	110325-2	110325-2	110325-2
			Lab Sample No.(s)	3157546	3157547	3157548	3157549	3157550	3157551
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<200	<200	<200	<200	<200	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	230	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	157	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP003	CATP004	CATP004	CATP006	CATP006	CATP007
			Depth (m)	1.80	0.20	0.70	0.50	1.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011
			Date Received	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011
			SDG Ref	110325-2	110325-2	110325-2	110325-2	110325-2	110325-2
			Lab Sample No.(s)	3157546	3157547	3157548	3157549	3157550	3157551
			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	162	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		216	<100	<100	<100	1260	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	191	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	338	<100
Benzo(a)anthracene	<100 µg/kg	TM157		662	231	<100	<100	1330	358
Benzo(b)fluoranthene	<100 µg/kg	TM157		717	273	<100	<100	2210	440
Benzo(k)fluoranthene	<100 µg/kg	TM157		478	215	<100	<100	1350	273
Benzo(a)pyrene	<100 µg/kg	TM157		597	245	<100	<100	1400	342
Benzo(g,h,i)perylene	<100 µg/kg	TM157		337	154	<100	<100	1100	226
Chrysene	<100 µg/kg	TM157		923	279	<100	<100	2070	402
Fluoranthene	<100 µg/kg	TM157		1070	380	<100	<100	1880	578
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	432	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		361	152	<100	<100	1180	239
Phenanthrene	<100 µg/kg	TM157		805	221	<100	<100	1460	299
Pyrene	<100 µg/kg	TM157		897	346	<100	<100	2390	456
Naphthalene	<100 µg/kg	TM157		152	<100	<100	<100	528	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		140	<100	<100	<100	440	<100

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP001	CATP001	CATP002	CATP002	CATP003	CATP003
			Depth (m)	0.30	1.30	0.80	1.50	0.20	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011
			Date Received	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011
			SDG Ref	110325-2	110325-2	110325-2	110325-2	110325-2	110325-2
			Lab Sample No.(s)	3157537	3157540	3157542	3157543	3157544	3157545
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		72	30	56	45	103	56
GRO >C5-C12	<44 µg/kg	TM089		<44	6670	100	76200	<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	35.1 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		2.17 M	<2 M	36.6 M	<2 M	2.09 M	2.22 M
Ethylbenzene	<3 µg/kg	TM089		3.26 M	<3 M	<3 M	<3 M	4.18 M	3.33 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
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	36.6	35.1	<10	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	36.9	<10	545	<10	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	283	<10	10200	<10	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	1300	<10	21400	<10	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	2510	17.7	17900	<10	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		5070	81700	27500	1030000	3250	6230
Aliphatics >C16-C21	<100 µg/kg	TM173		3320	75100	72800	378000	1830	10300
Aliphatics >C21-C35	<100 µg/kg	TM173		26500	324000	527000	5410000	11700	69000
Aliphatics >C35-C44	<100 µg/kg	TM173		5680	141000	37200	180000	2210	12600
Total Aliphatics >C12-C44	<100 µg/kg	TM173		40600	622000	665000	7000000	19000	98200
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	35.1	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	36.6	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		<10	866	14.2	14300	<10	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	1670	11.8	11900	<10	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		5120	26000	10800	421000	3880	4720
Aromatics >EC16-EC21	<100 µg/kg	TM173		4090	54400	36500	343000	4480	7190
Aromatics >EC21-EC35	<100 µg/kg	TM173		18100	291000	310000	2640000	11000	49500
Aromatics >EC35-EC44	<100 µg/kg	TM173		15500	238000	61100	254000	8710	32000
Aromatics >EC40-EC44	<100 µg/kg	TM173		7460	107000	24800	84600	3610	15400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		42800	609000	419000	3660000	28000	93400
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		83400	1240000	1080000	10700000	47100	192000
Total Aliphatics >C5-35	<100 µg/kg	TM173		34900	485000	627000	6870000	16800	85500
Total Aromatics >C5-35	<100 µg/kg	TM173		27300	373000	358000	3430000	19300	61400
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		62300	858000	985000	10300000	36100	147000

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	CATP003	CATP004	CATP004	CATP006	CATP006	CATP007
			Depth (m)	1.80	0.20	0.70	0.50	1.20	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011	24/03/2011
			Date Received	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011	25/03/2011
			SDG Ref	110325-2	110325-2	110325-2	110325-2	110325-2	110325-2
			Lab Sample No.(s)	3157546	3157547	3157548	3157549	3157550	3157551
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		24	22	51	42	41	65
GRO >C5-C12	<44 µg/kg	TM089		<44	<44	<44	170	16000	<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		6.15 M	<2 M	3.51 M	3.2 M	<2 M	4.4 M
Ethylbenzene	<3 µg/kg	TM089		7.38 M	<3 M	3.51 M	3.2 M	<3 M	5.5 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
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		13.5	<10	<10	<10	<10	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	<10	<10	<10	22.2	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		<10	<10	<10	41.7	1280	<10
Aliphatics >C8-C10	<10 µg/kg	TM089		<10	<10	<10	26.7	5040	<10
Aliphatics >C10-C12	<10 µg/kg	TM089		<10	<10	<10	41.7	3780	<10
Aliphatics >C12-C16	<100 µg/kg	TM173		18000	12300	1110	3180	271000	4700
Aliphatics >C16-C21	<100 µg/kg	TM173		39200	1700	1200	5490	1090000	23400
Aliphatics >C21-C35	<100 µg/kg	TM173		82700	89300	40900	26000	9750000	37400
Aliphatics >C35-C44	<100 µg/kg	TM173		18000	117000	73000	1640	409000	4420
Total Aliphatics >C12-C44	<100 µg/kg	TM173		158000	221000	116000	36300	11500000	70000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		13.5	<10	<10	22.4	3360	<10
Aromatics >EC10-EC12	<10 µg/kg	TM089		<10	<10	<10	27.8	2520	<10
Aromatics >EC12-EC16	<100 µg/kg	TM173		8200	19200	126	295	80700	2480
Aromatics >EC16-EC21	<100 µg/kg	TM173		12000	1310	474	2130	557000	7380
Aromatics >EC21-EC35	<100 µg/kg	TM173		48700	102000	63900	14400	3590000	34500
Aromatics >EC35-EC44	<100 µg/kg	TM173		25400	91000	146000	8500	313000	14300
Aromatics >EC40-EC44	<100 µg/kg	TM173		10500	1320	78400	3910	105000	5620
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		94300	213000	210000	25300	4540000	58600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		252000	434000	327000	61800	16100000	129000
Total Aliphatics >C5-35	<100 µg/kg	TM173		140000	103000	43200	34800	11100000	65500
Total Aromatics >C5-35	<100 µg/kg	TM173		69000	122000	64500	16900	4230000	44300
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		209000	225000	108000	51600	15400000	110000

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Table of Results - Appendix

REPORT KEY

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

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

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

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM001	In - house Method	Determination of asbestos containing material by screening on solids		
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)		
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		
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers		
TM224	US EPA Method 6010B	Determination of Alkaline Metals by iCap 6500 Duo ICP-OES		
TM243				

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

CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Test Completion Dates

Lab Sample No(s)	3157537	3157539	3157540	3157542	3157543	3157544	3157545	3157546	3157547	3157548
Customer Sample Ref.	CATP001	CATP001	CATP001	CATP002	CATP002	CATP003	CATP003	CATP003	CATP004	CATP004
AGS Ref.										
Depth	0.30	0.70	1.30	0.80	1.50	0.20	0.80	1.80	0.20	0.70
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	04-Apr-2011		04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011
Anions by Kone (soil)	05-Apr-2011		05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011
Asbestos Containing Material Screen	31-Mar-2011	31-Mar-2011		31-Mar-2011		31-Mar-2011	31-Mar-2011		31-Mar-2011	31-Mar-2011
EPH CWG (Aliphatic) GC (S)	04-Apr-2011		04-Apr-2011	04-Apr-2011	05-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011
EPH CWG (Aromatic) GC (S)	04-Apr-2011		04-Apr-2011	04-Apr-2011	05-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011
GRO by GC-FID (S)	06-Apr-2011		06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011
Metals by iCap-OES (Soil)	05-Apr-2011		05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011
NO3, NO2 and TON by KONE (s)	06-Apr-2011		06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011
pH	04-Apr-2011		04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011
Sample description	31-Mar-2011		31-Mar-2011	31-Mar-2011	31-Mar-2011	31-Mar-2011	31-Mar-2011	31-Mar-2011	31-Mar-2011	31-Mar-2011
Semi Volatile Organic Compounds	04-Apr-2011		04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011
TPH CWG GC (S)	06-Apr-2011		06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011

Lab Sample No(s)	3157549	3157550	3157551
Customer Sample Ref.	CATP006	CATP006	CATP007
AGS Ref.			
Depth	0.50	1.20	0.30
Type	SOLID	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	04-Apr-2011	04-Apr-2011	04-Apr-2011
Anions by Kone (soil)	05-Apr-2011	05-Apr-2011	05-Apr-2011
Asbestos Containing Material Screen	31-Mar-2011		31-Mar-2011
EPH CWG (Aliphatic) GC (S)	04-Apr-2011	05-Apr-2011	04-Apr-2011
EPH CWG (Aromatic) GC (S)	04-Apr-2011	05-Apr-2011	04-Apr-2011
GRO by GC-FID (S)	06-Apr-2011	06-Apr-2011	06-Apr-2011
Metals by iCap-OES (Soil)	05-Apr-2011	05-Apr-2011	04-Apr-2011
NO3, NO2 and TON by KONE (s)	06-Apr-2011	06-Apr-2011	06-Apr-2011
pH	04-Apr-2011	04-Apr-2011	04-Apr-2011
Sample description	31-Mar-2011	31-Mar-2011	31-Mar-2011
Semi Volatile Organic Compounds	04-Apr-2011	04-Apr-2011	04-Apr-2011
TPH CWG GC (S)	06-Apr-2011	06-Apr-2011	06-Apr-2011

CERTIFICATE OF ANALYSIS

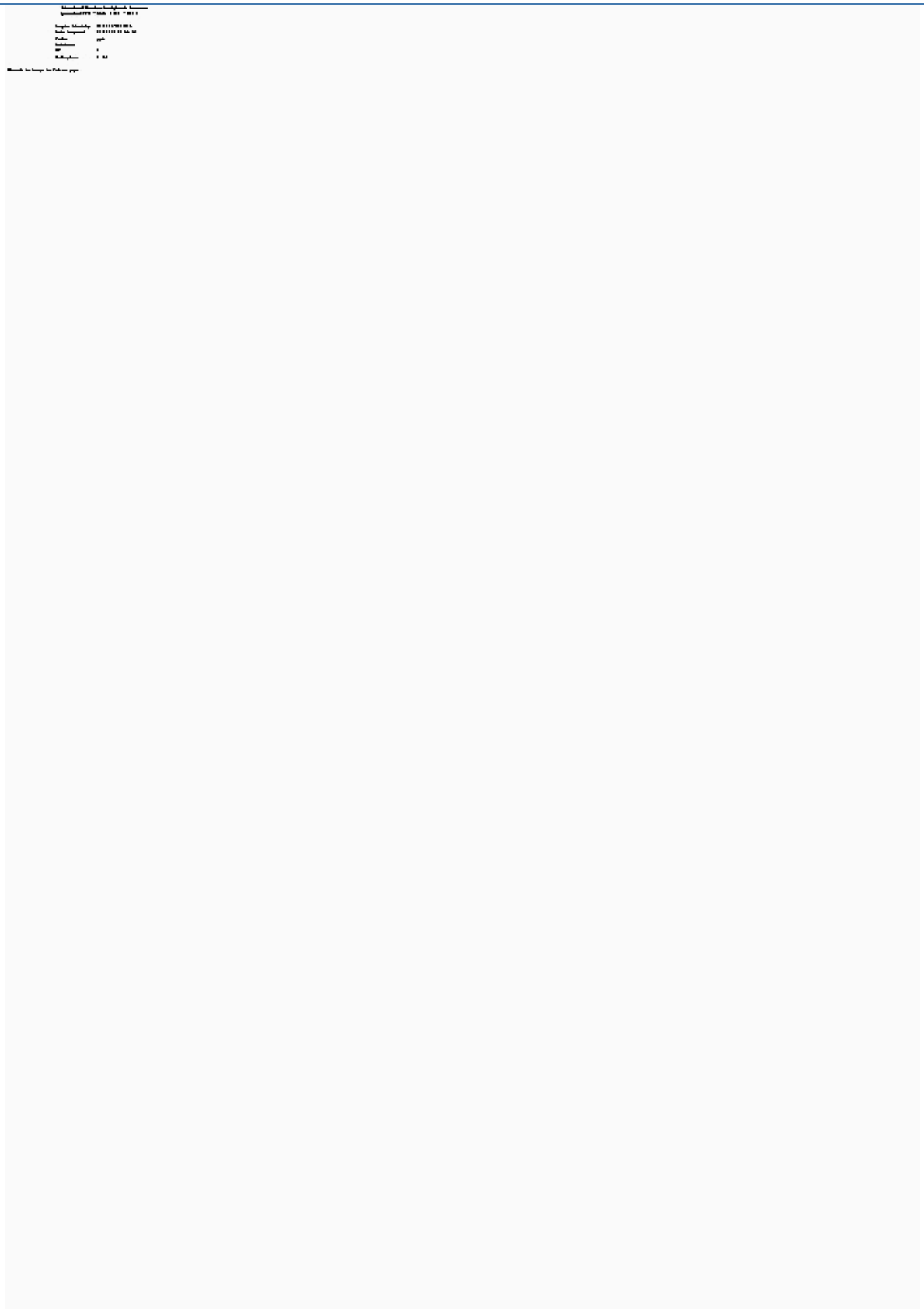
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3211689
Sample ID : CATP007

Depth : 0.30



CERTIFICATE OF ANALYSIS

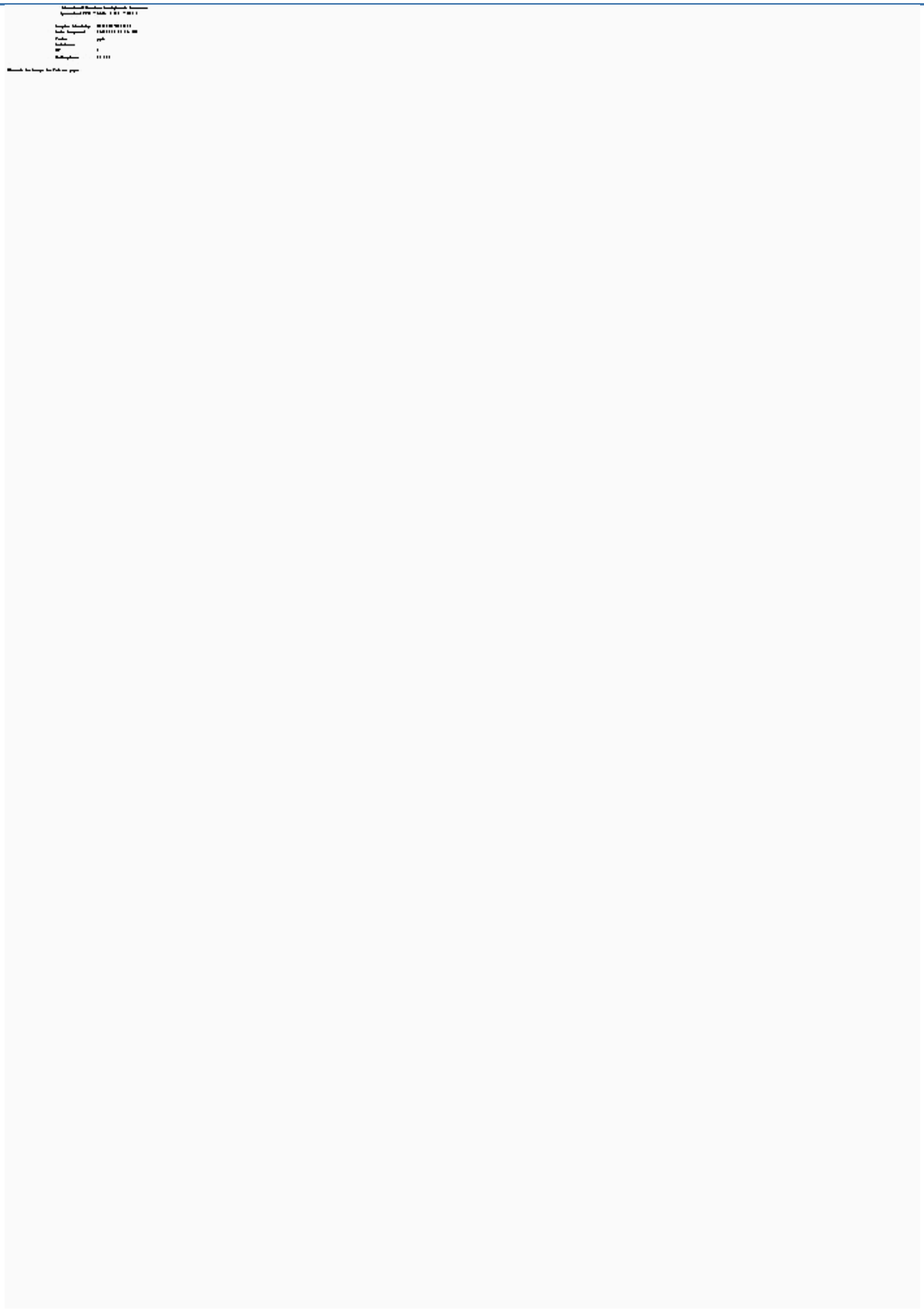
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3211704
Sample ID : CATP006

Depth : 1.20



CERTIFICATE OF ANALYSIS

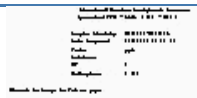
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3211725
Sample ID : CATP006

Depth : 0.50



CERTIFICATE OF ANALYSIS

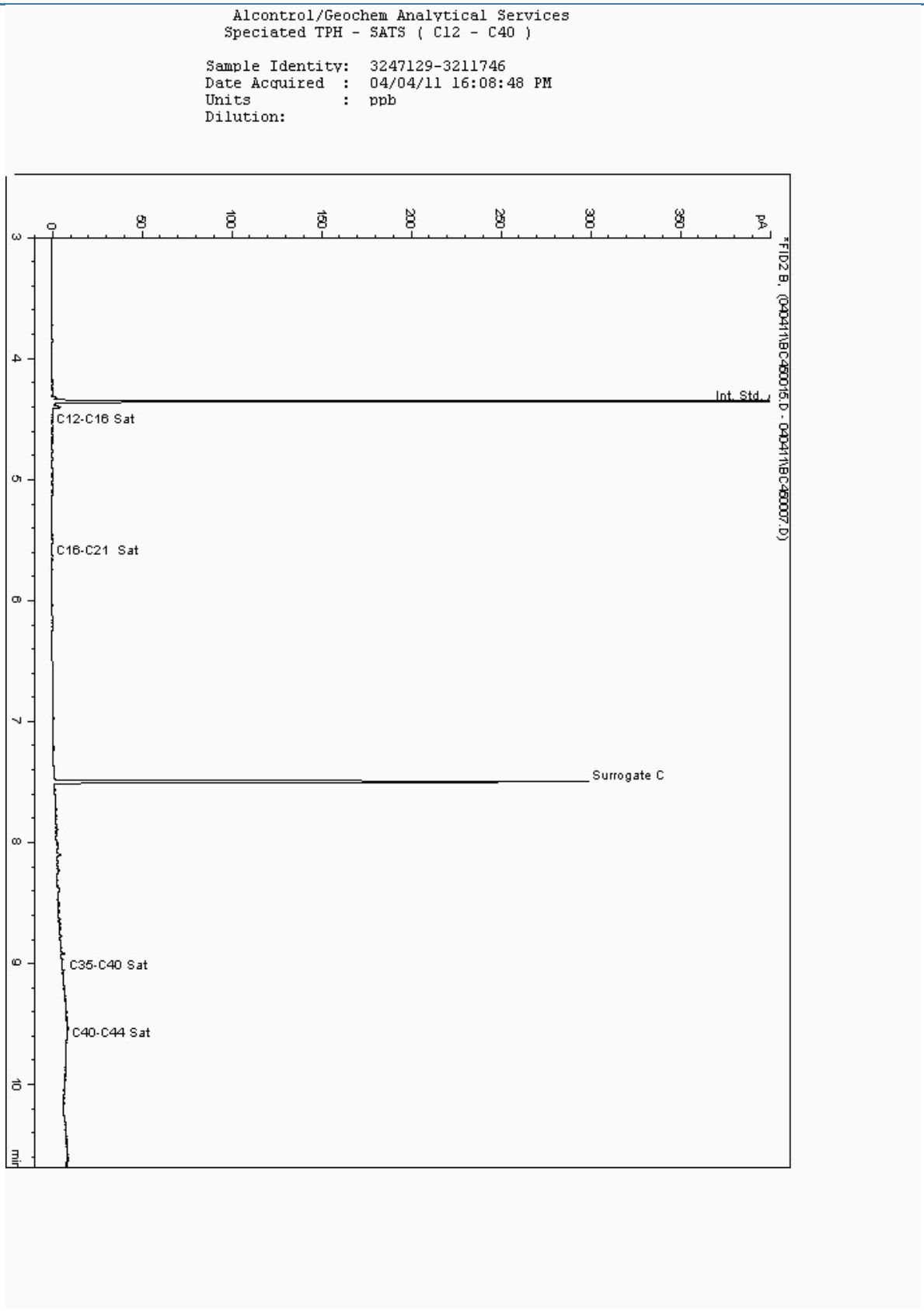
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3211746
Sample ID : CATP004

Depth : 0.70



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

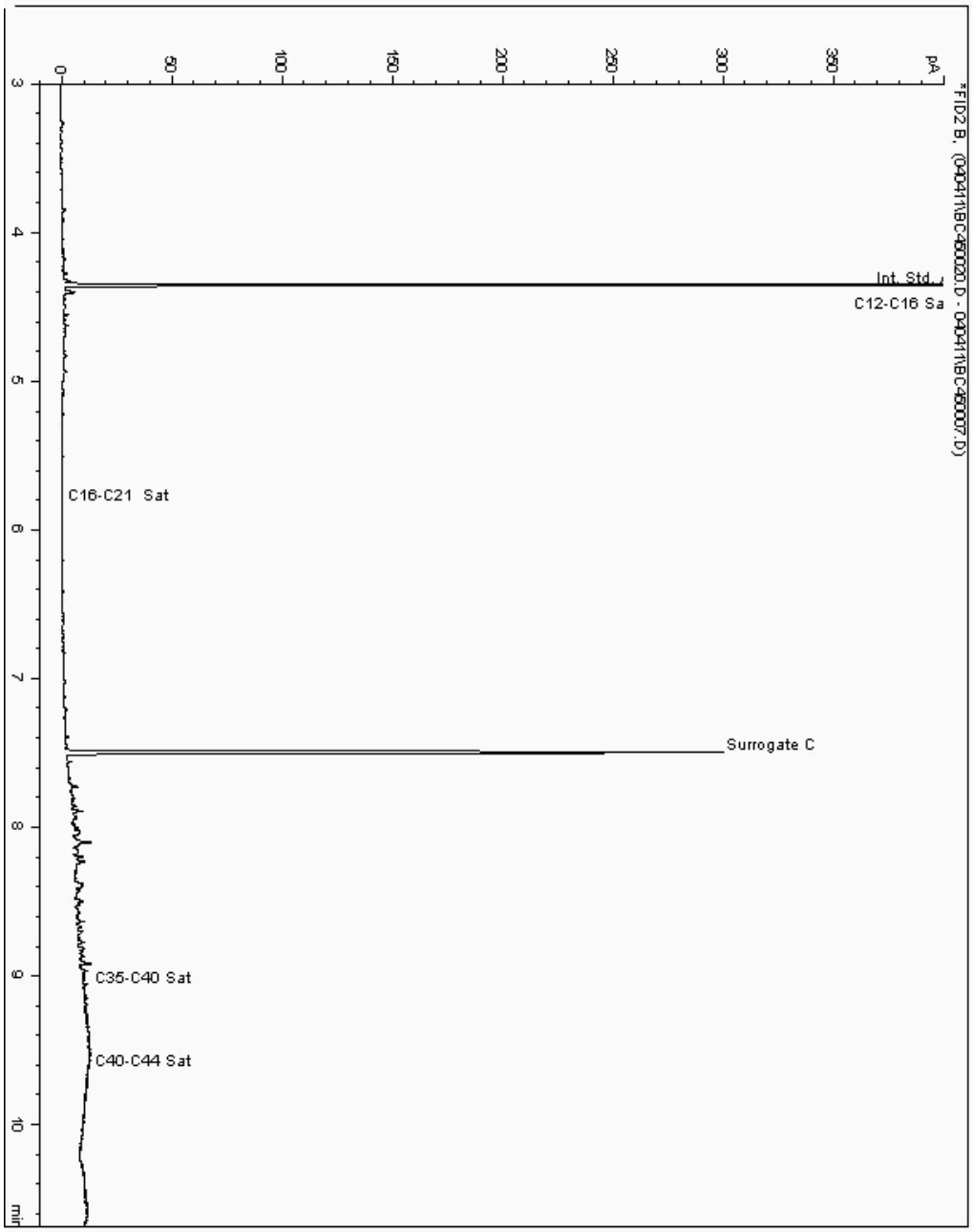
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3212305
Sample ID : CATP004

Depth : 0.20

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

Sample Identity: 3247112-3212305
Date Acquired : 04/04/11 17:39:06 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

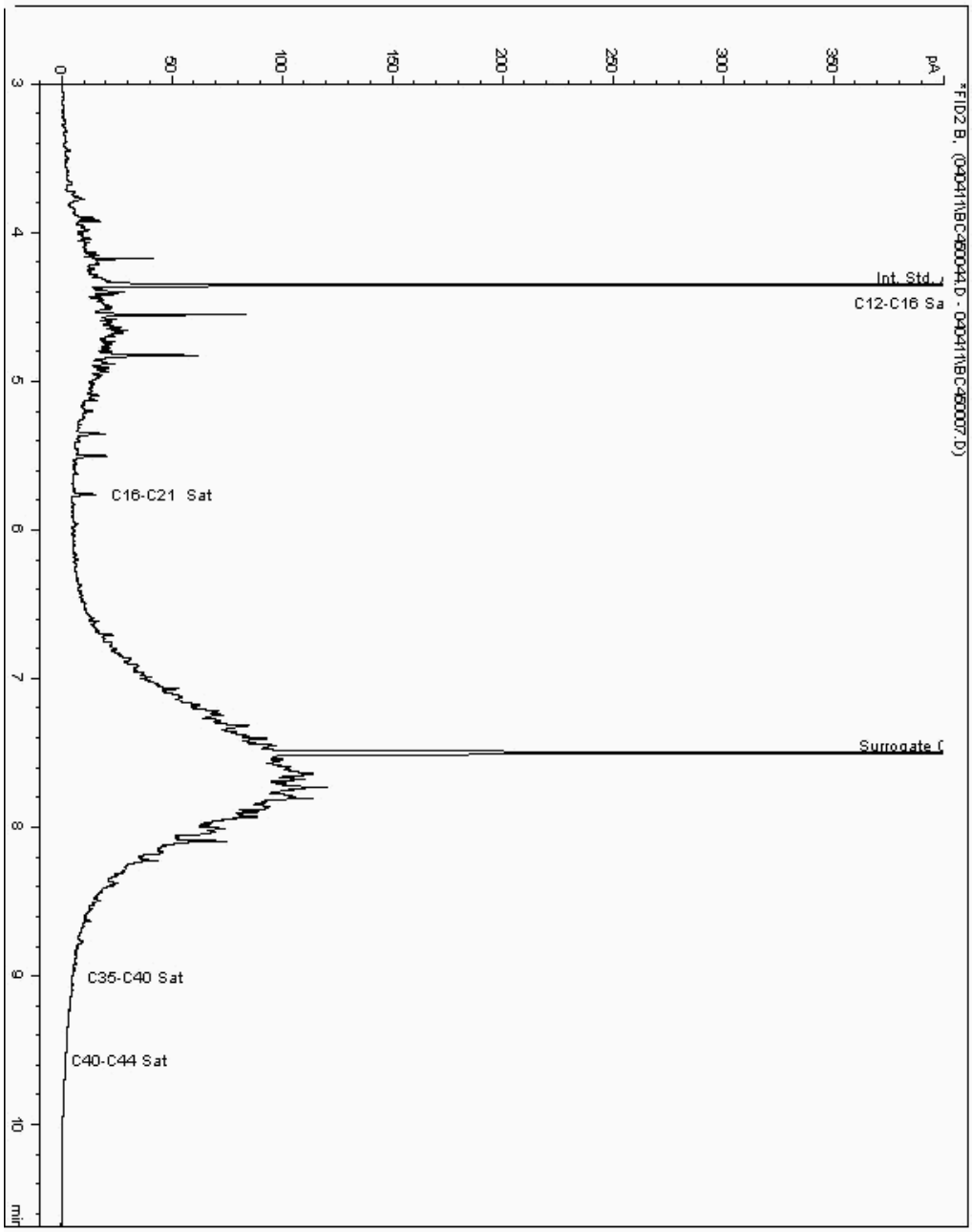
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3212320
Sample ID : CATP002

Depth : 1.50

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

Sample Identity: 3246993-3212320
Date Acquired : 05/04/11 00:38:01 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

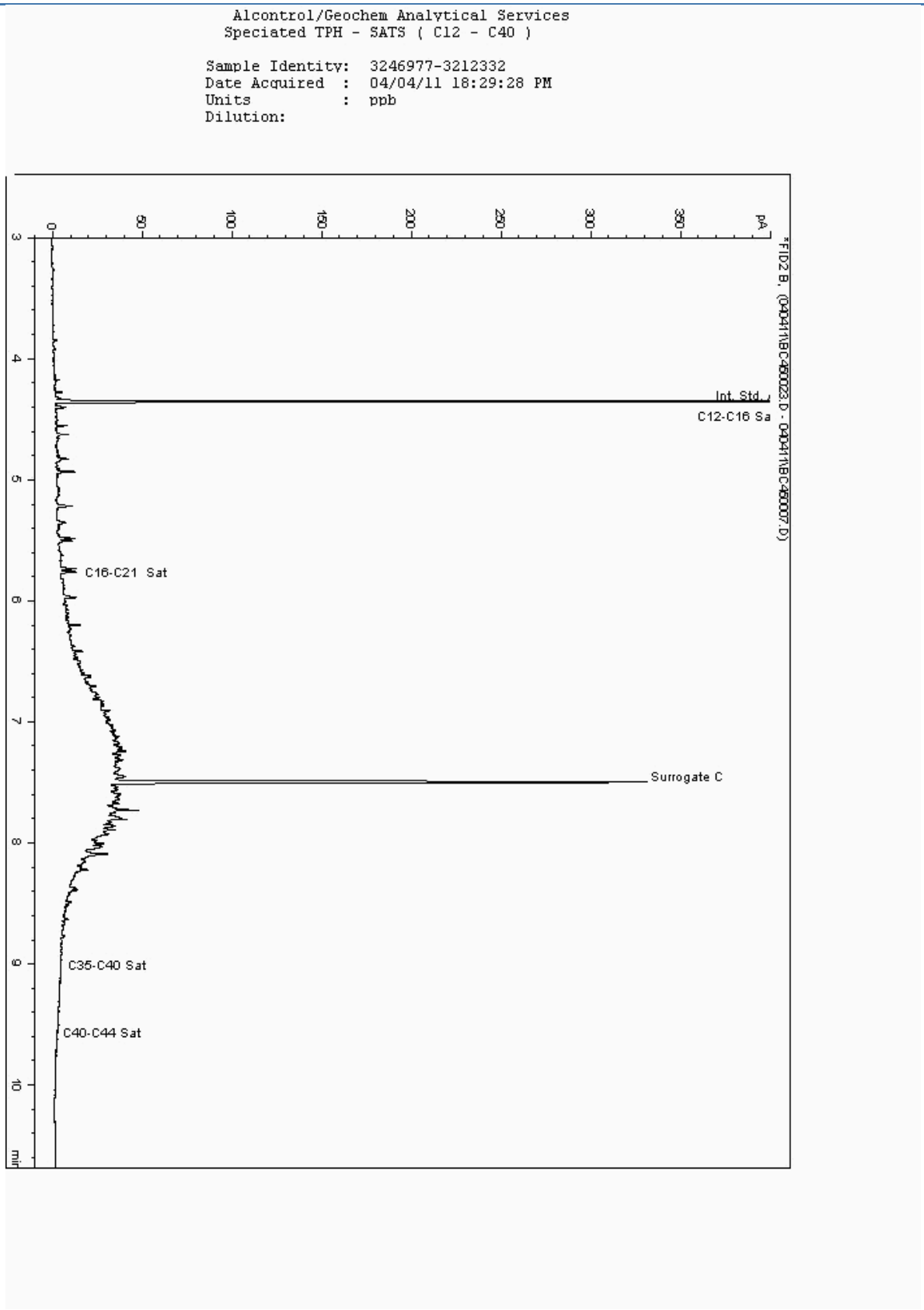
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3212332
Sample ID : CATP002

Depth : 0.80



CERTIFICATE OF ANALYSIS

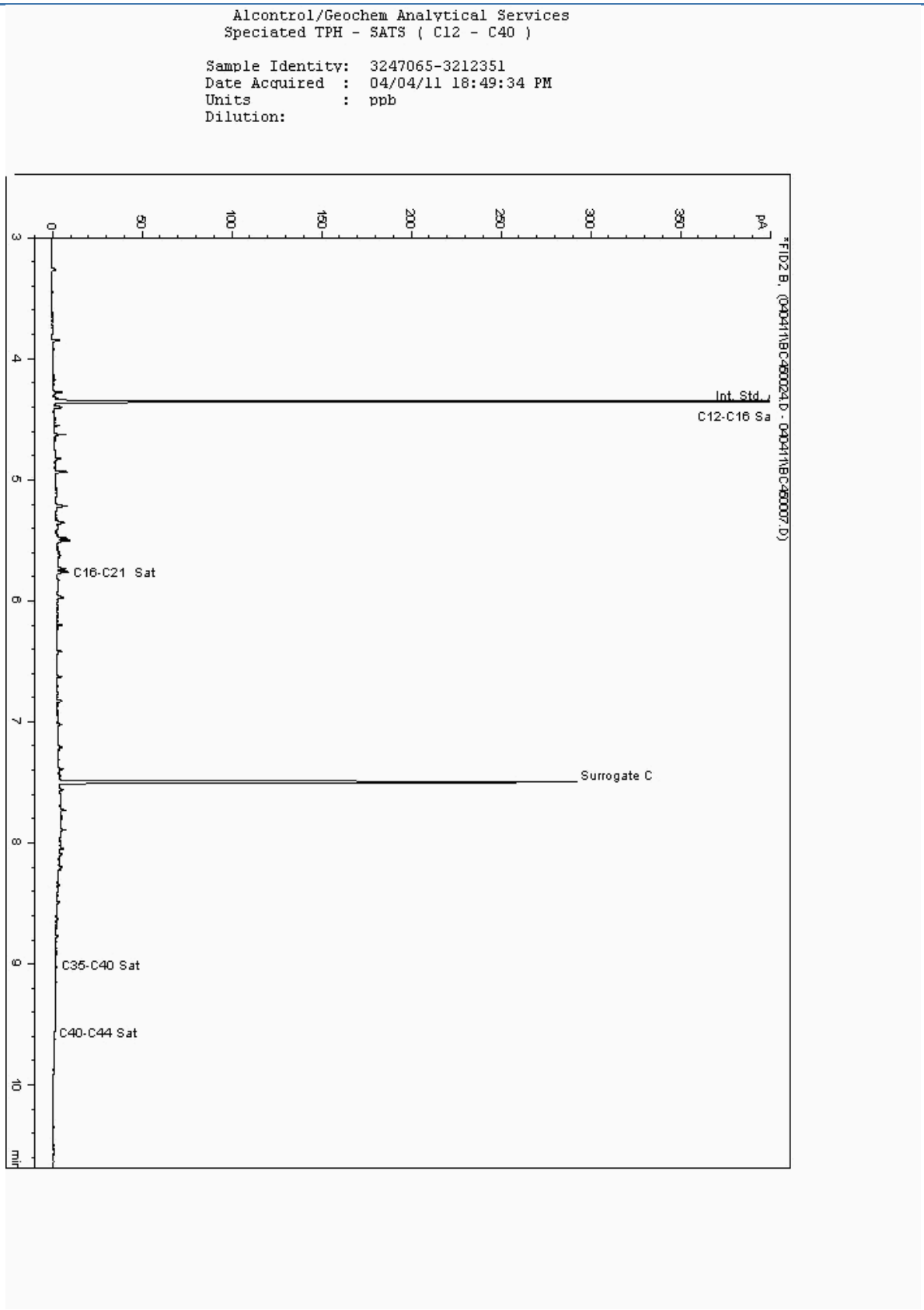
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3212351
Sample ID : CATP003

Depth : 1.80



CERTIFICATE OF ANALYSIS

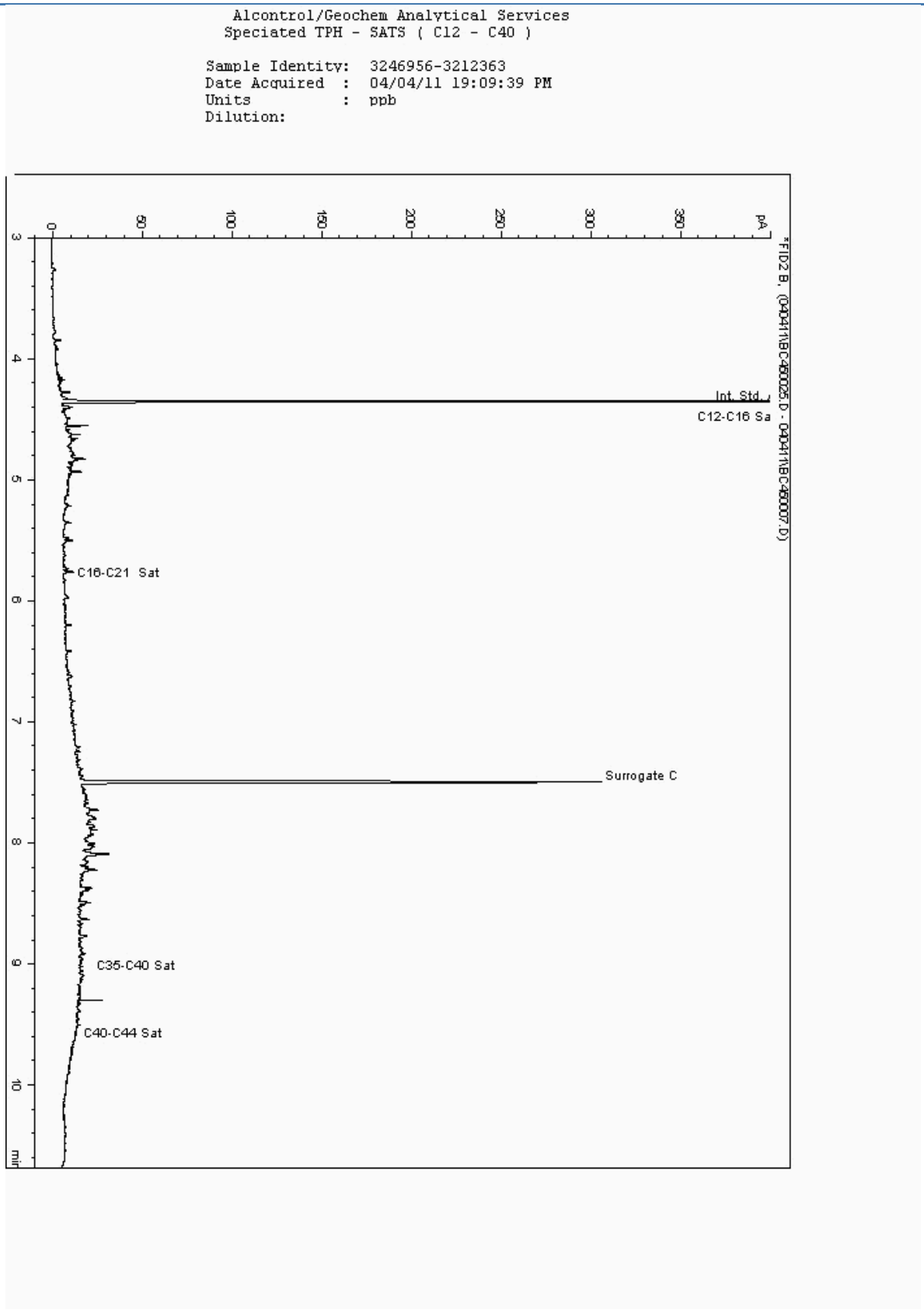
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3212363
Sample ID : CATP001

Depth : 1.30



CERTIFICATE OF ANALYSIS

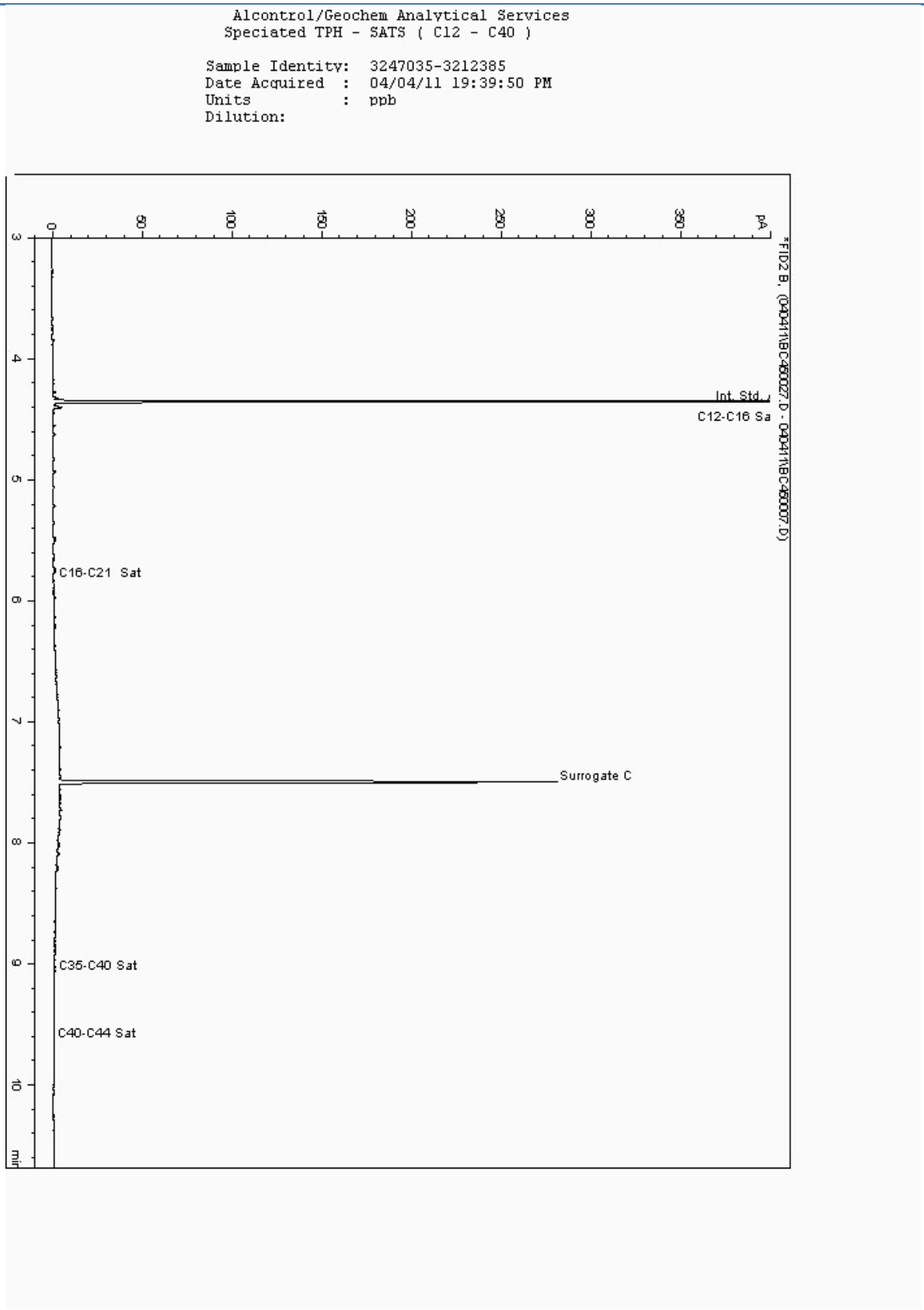
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3212385
Sample ID : CATP003

Depth : 0.80



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

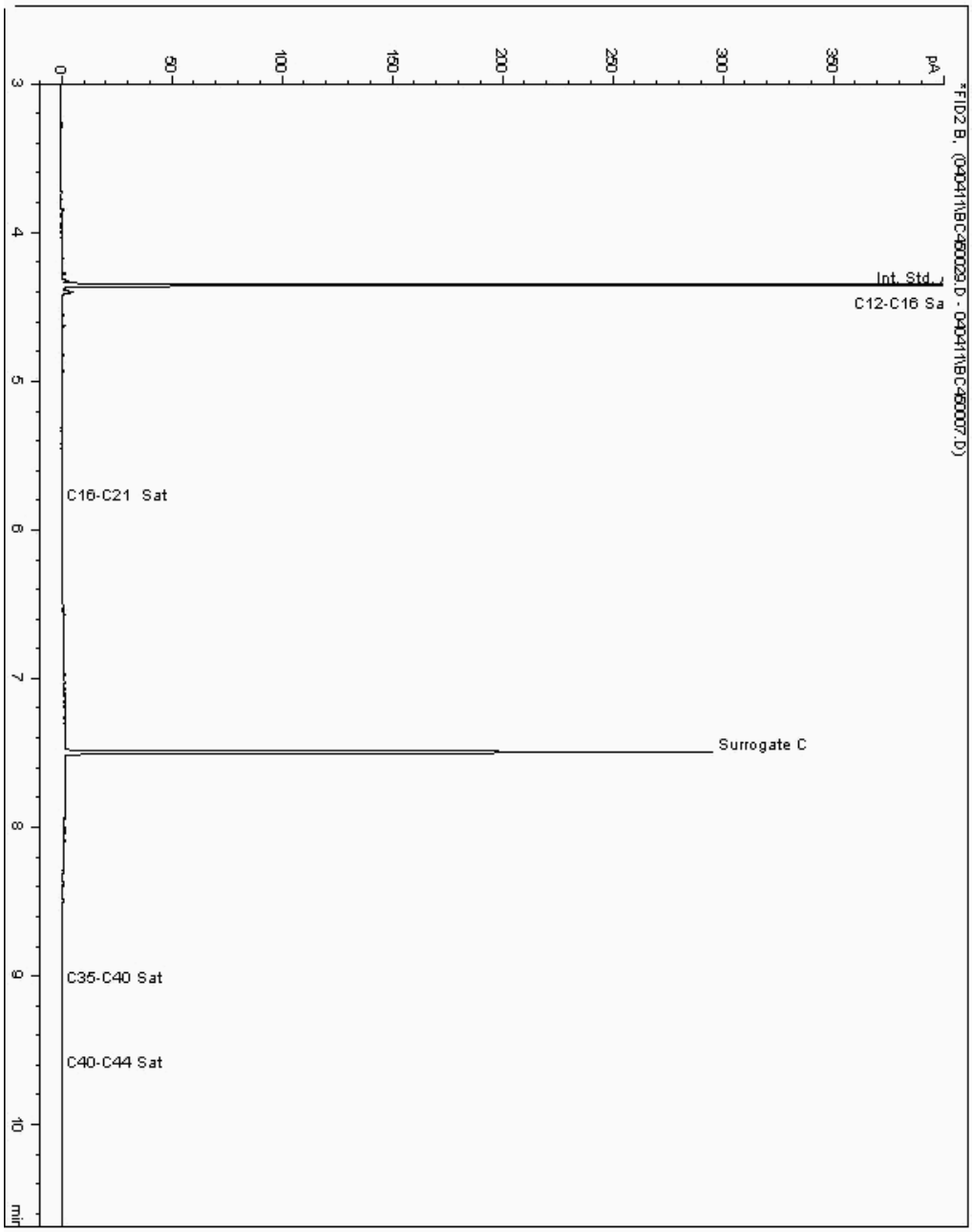
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3212394
Sample ID : CATP001

Depth : 0.30

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

Sample Identity: 3246938-3212394
Date Acquired : 04/04/11 20:10:19 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

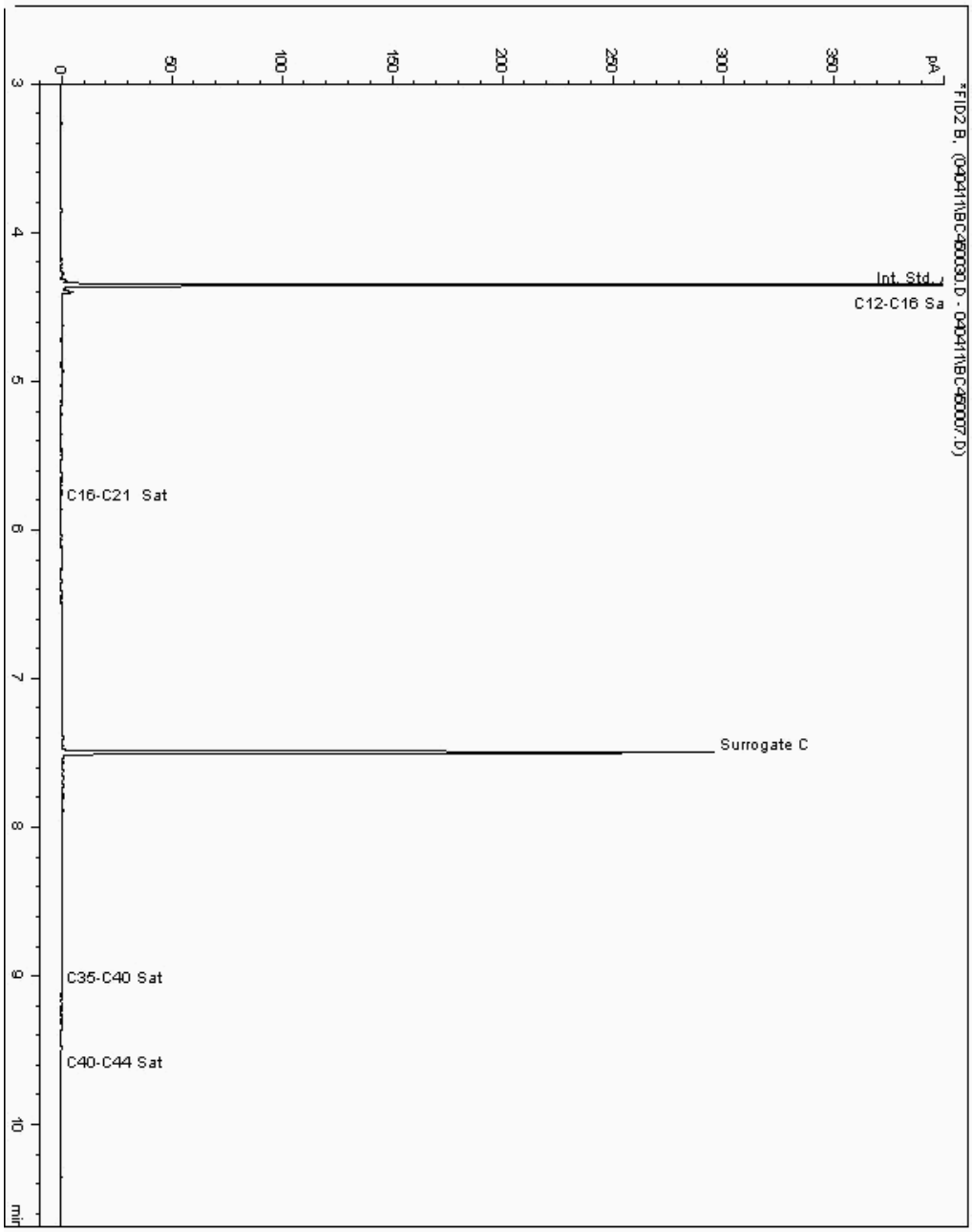
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3212429
Sample ID : CATP003

Depth : 0.20

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

Sample Identity: 3247008-3212429
Date Acquired : 04/04/11 20:30:19 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

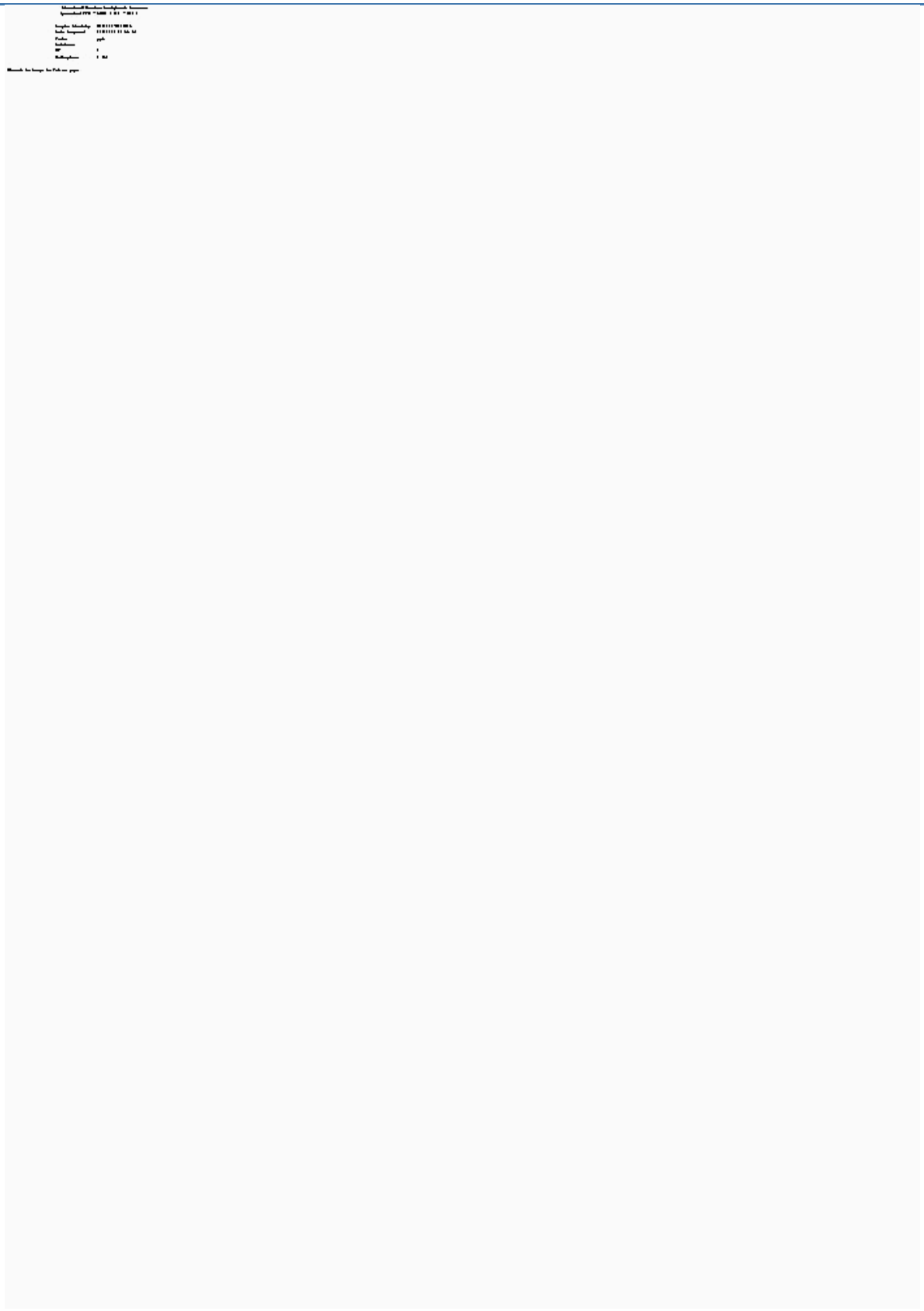
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3211689
Sample ID : CATP007

Depth : 0.30



CERTIFICATE OF ANALYSIS

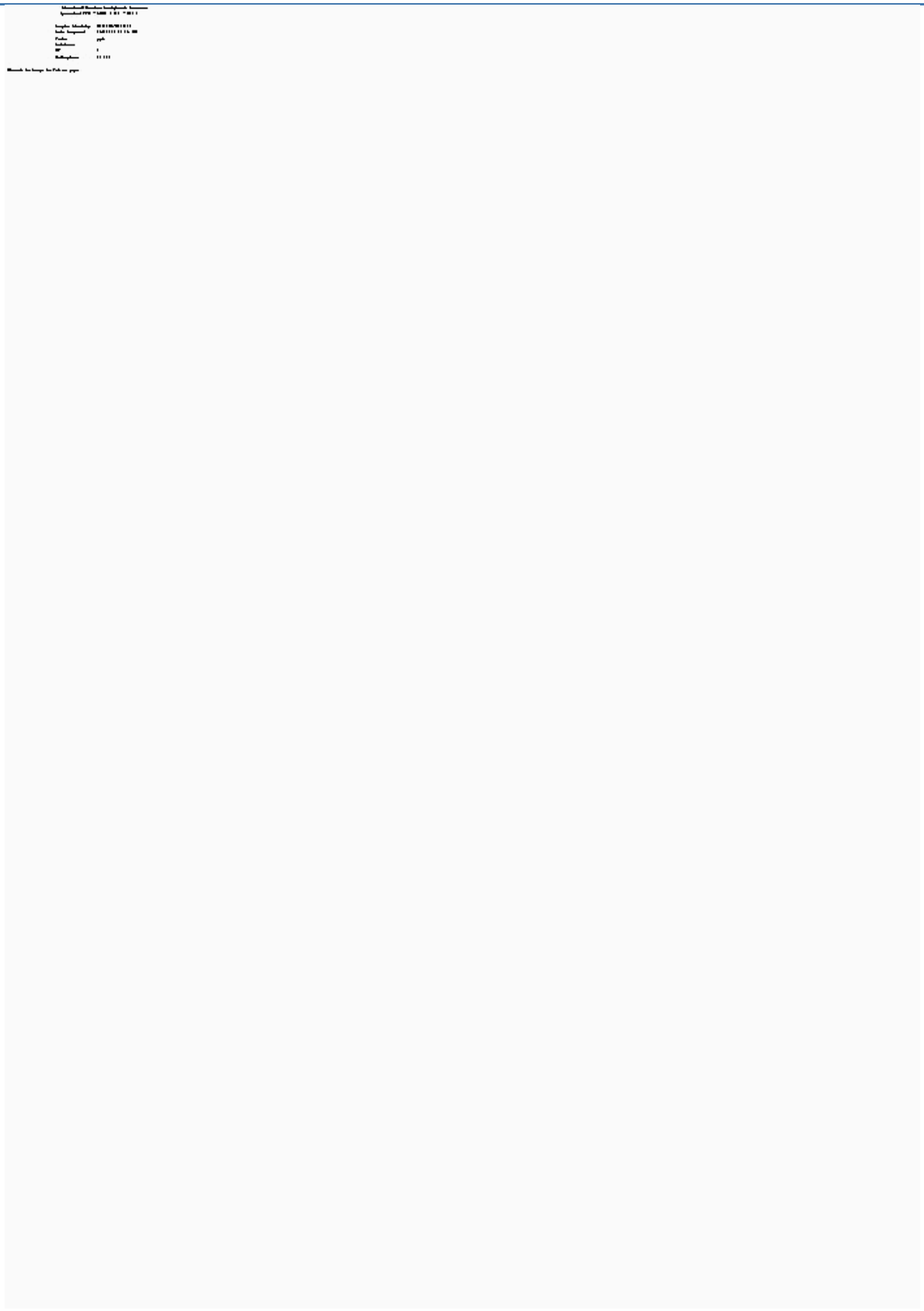
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3211704
Sample ID : CATP006

Depth : 1.20



CERTIFICATE OF ANALYSIS

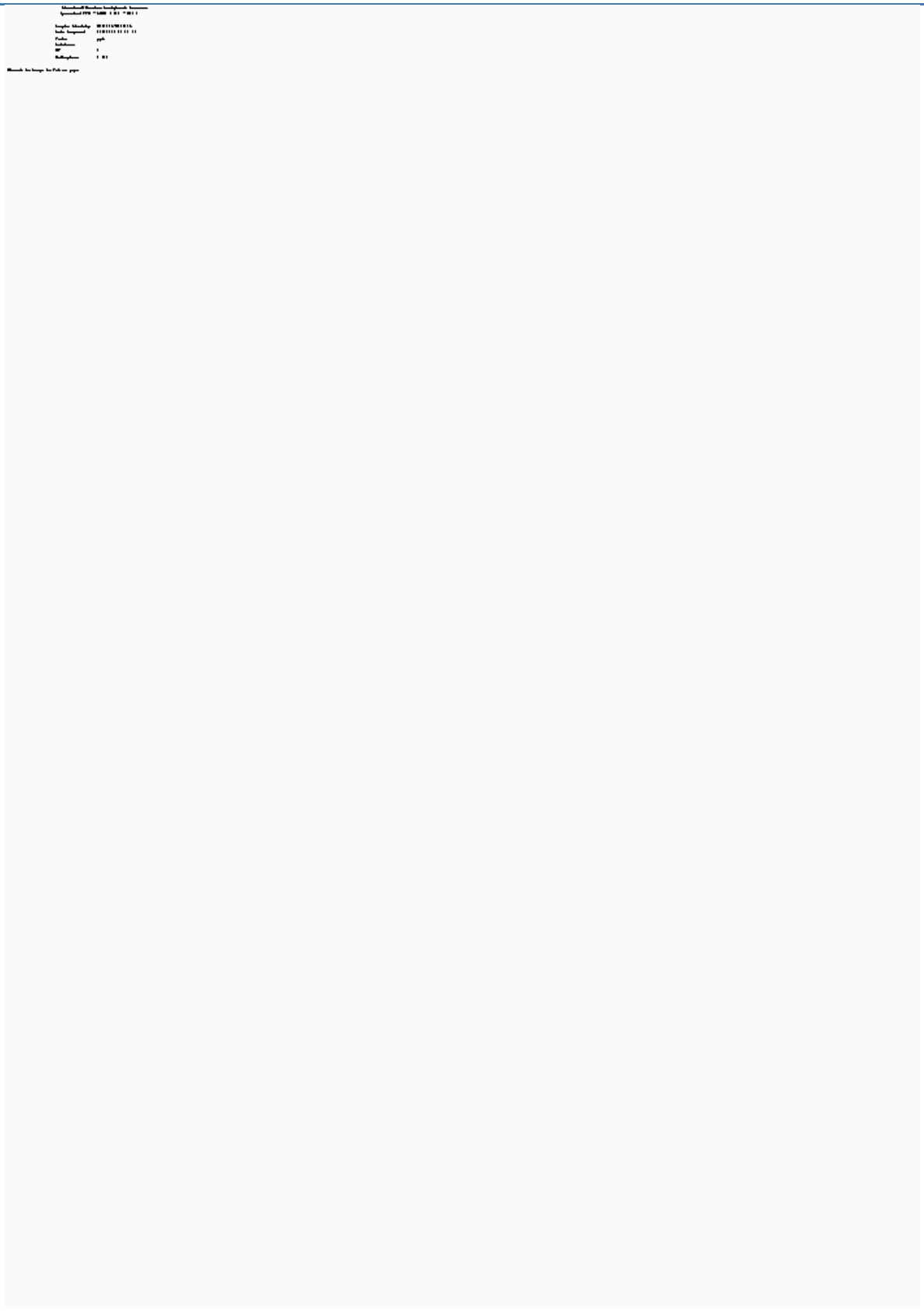
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3211725
Sample ID : CATP006

Depth : 0.50



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

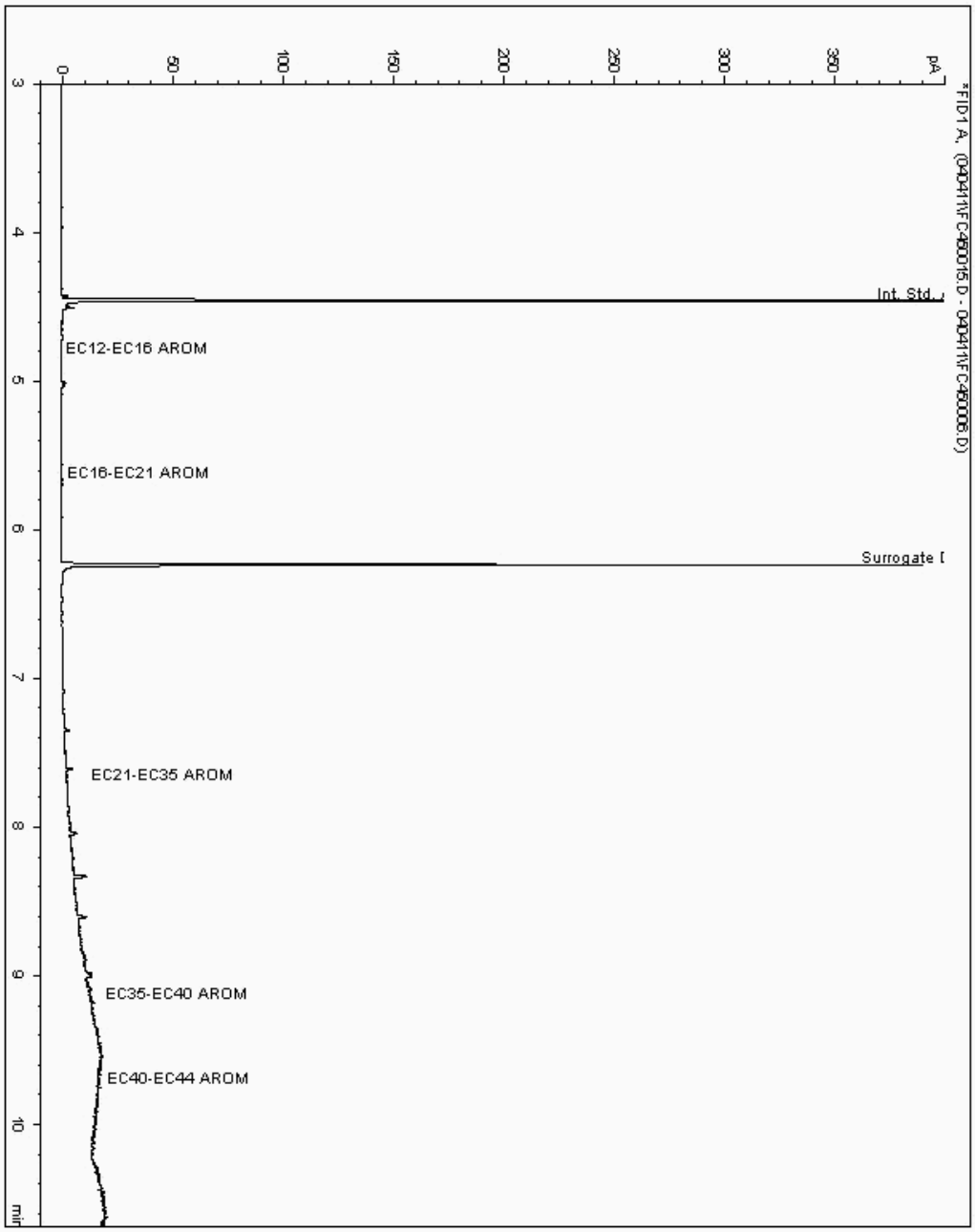
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3211746
Sample ID : CATP004

Depth : 0.70

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

Sample Identity: 3247130-3211746
Date Acquired : 04/04/11 16:08:47 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

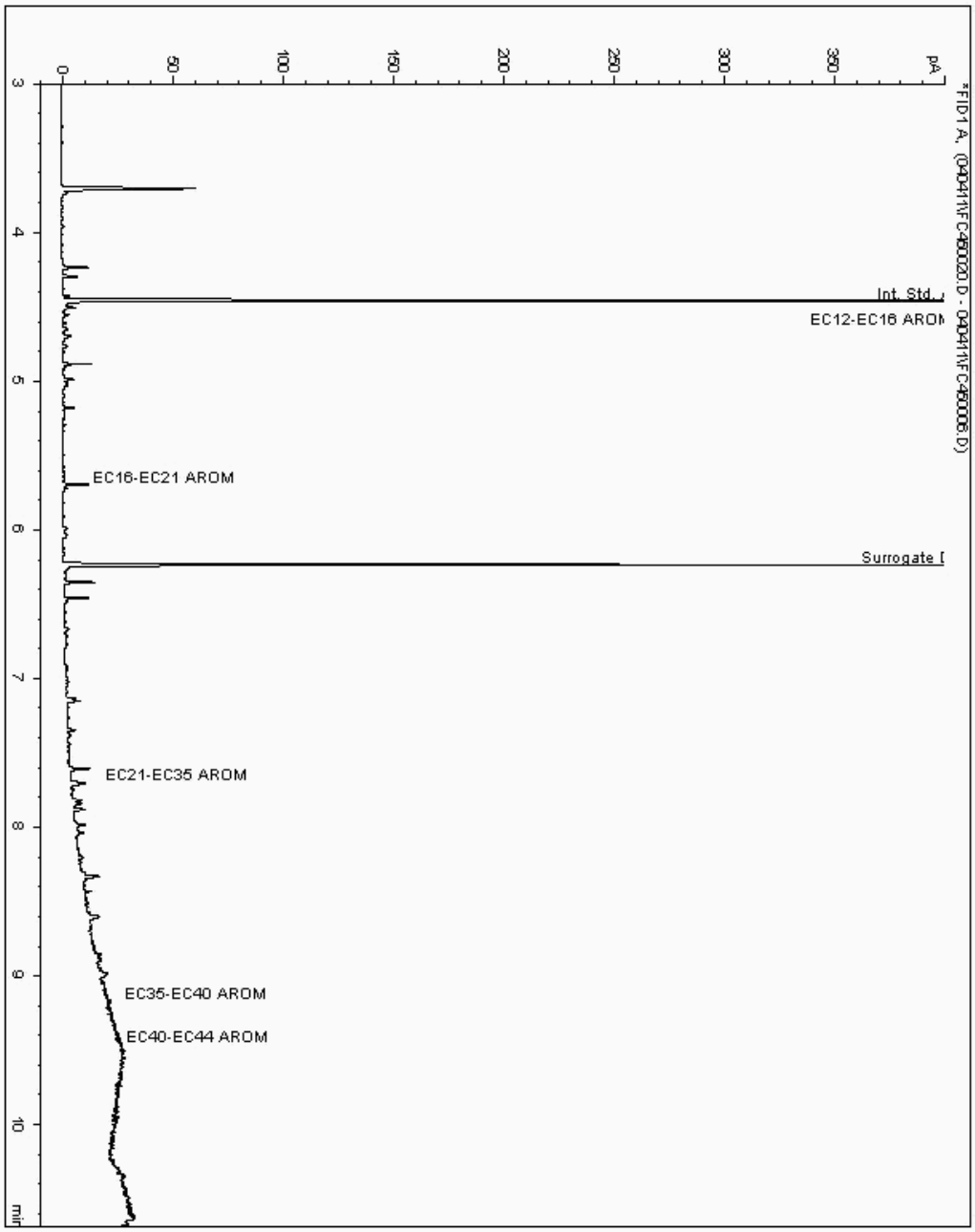
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3212305
Sample ID : CATP004

Depth : 0.20

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

Sample Identity: 3247113-3212305
Date Acquired : 04/04/11 17:39:06 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

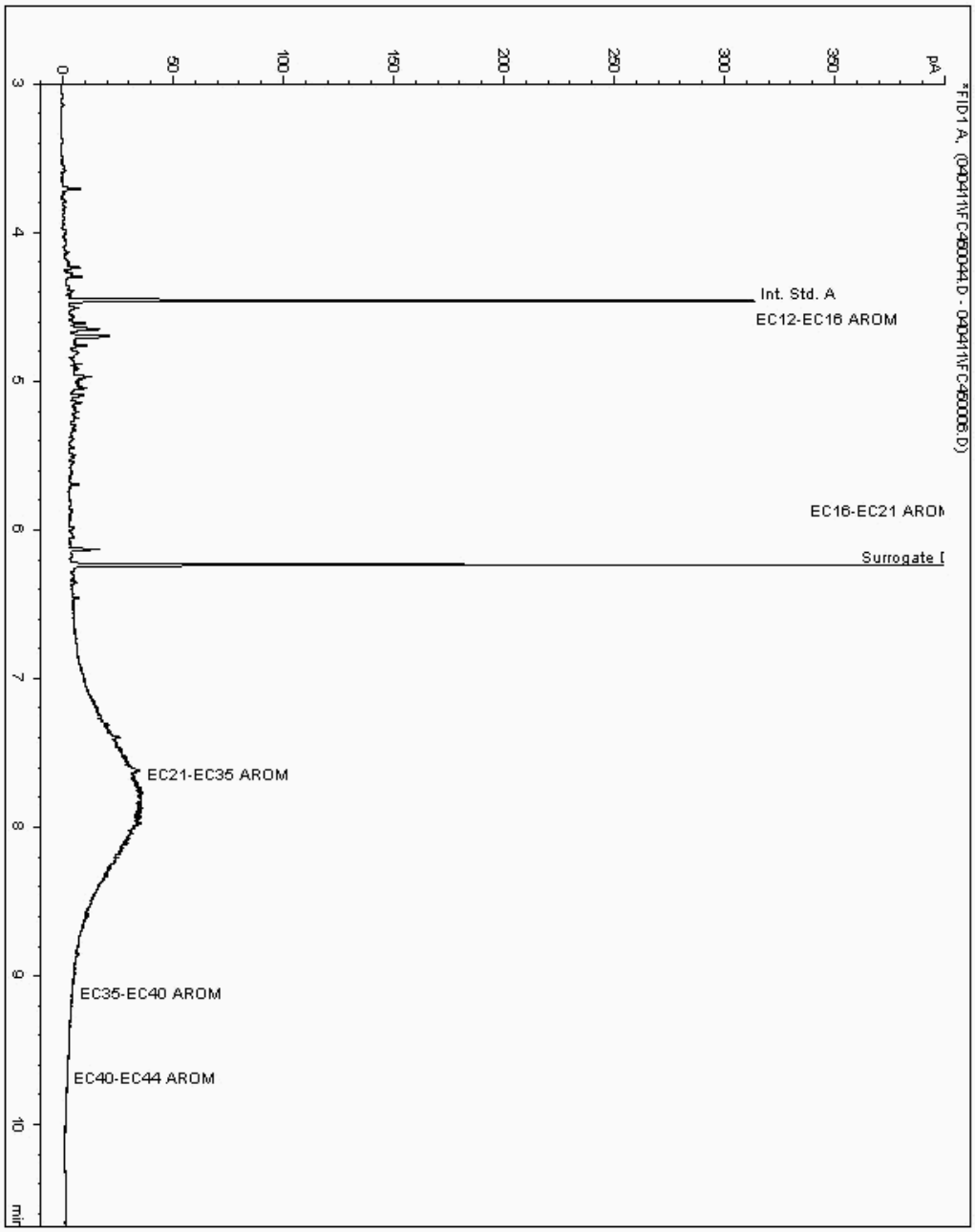
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3212320
Sample ID : CATP002

Depth : 1.50

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

Sample Identity: 3246994-3212320
Date Acquired : 05/04/11 00:38:01 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

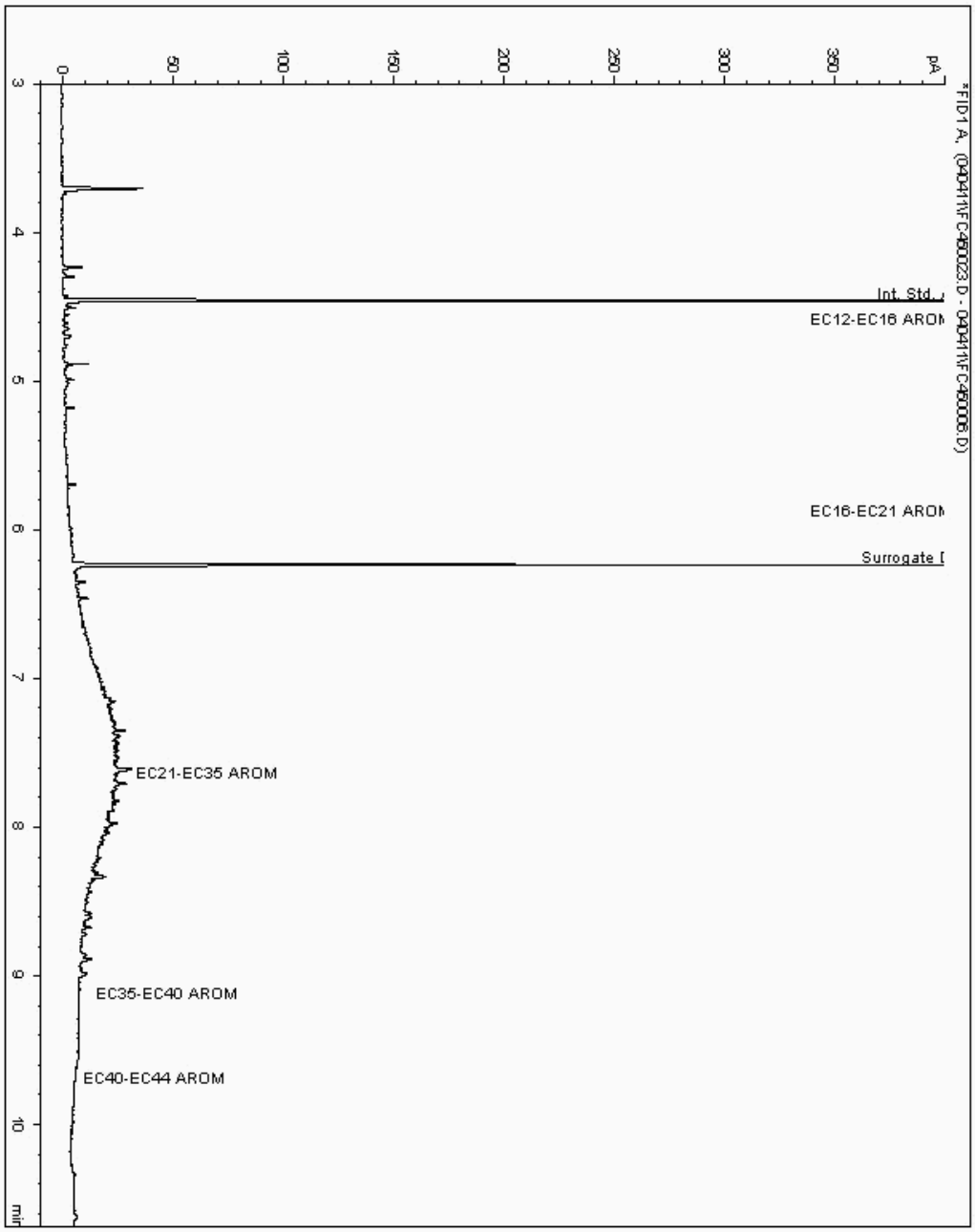
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3212332
Sample ID : CATP002

Depth : 0.80

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

Sample Identity: 3246978-3212332
Date Acquired : 04/04/11 18:29:28 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

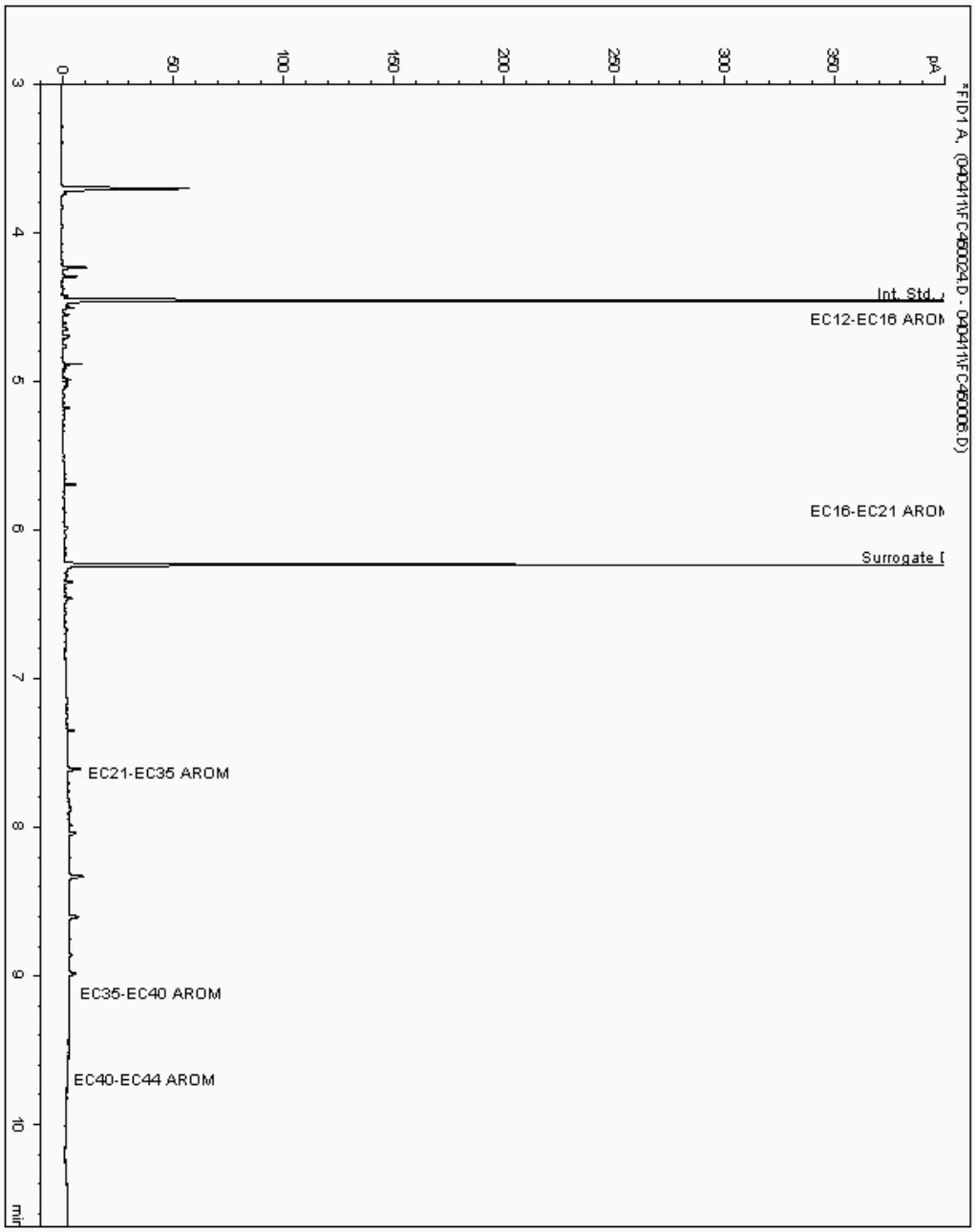
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3212351
Sample ID : CATP003

Depth : 1.80

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

Sample Identity: 3247066-3212351
Date Acquired : 04/04/11 18:49:35 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

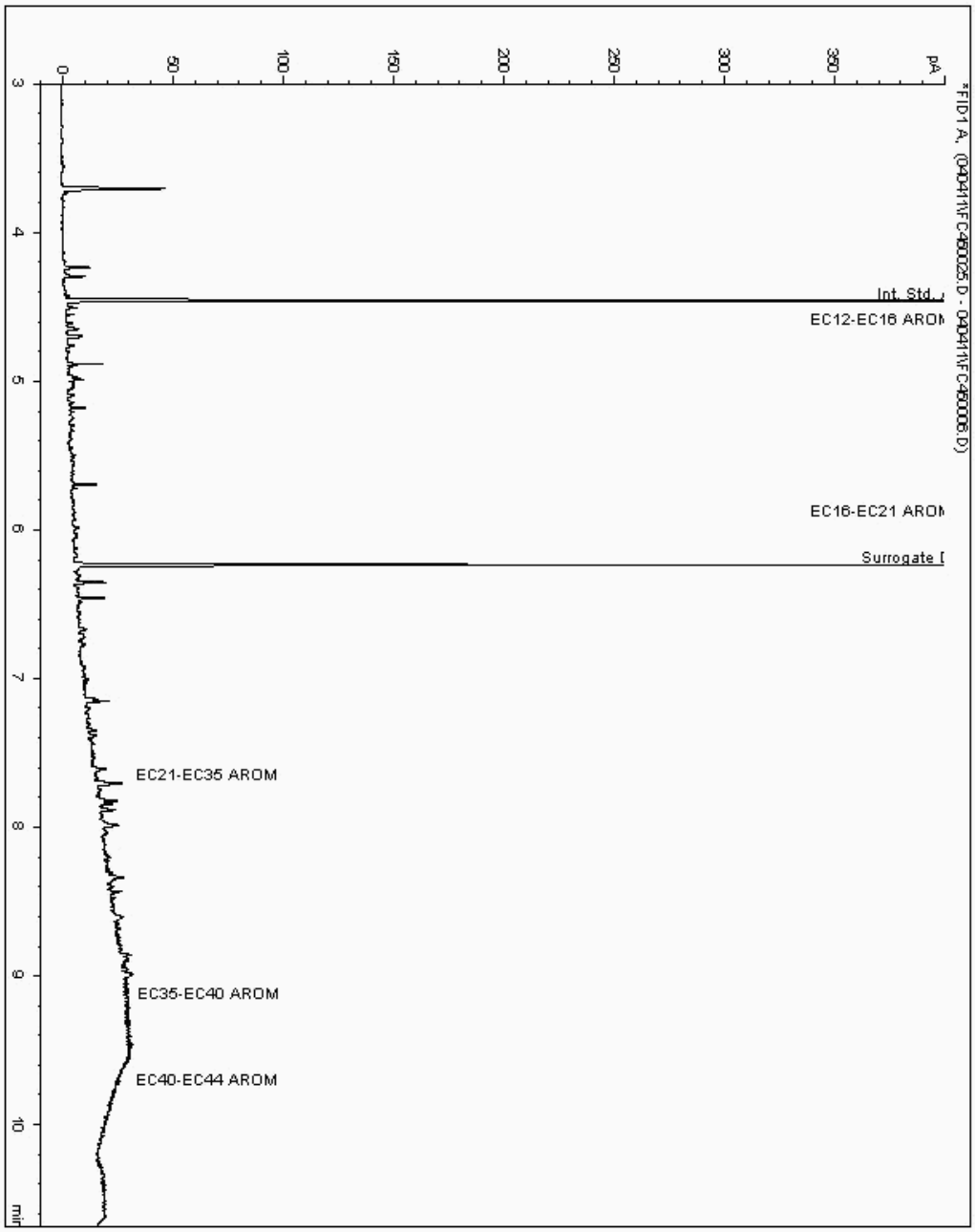
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3212363
Sample ID : CATP001

Depth : 1.30

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

Sample Identity: 3246957-3212363
Date Acquired : 04/04/11 19:09:39 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

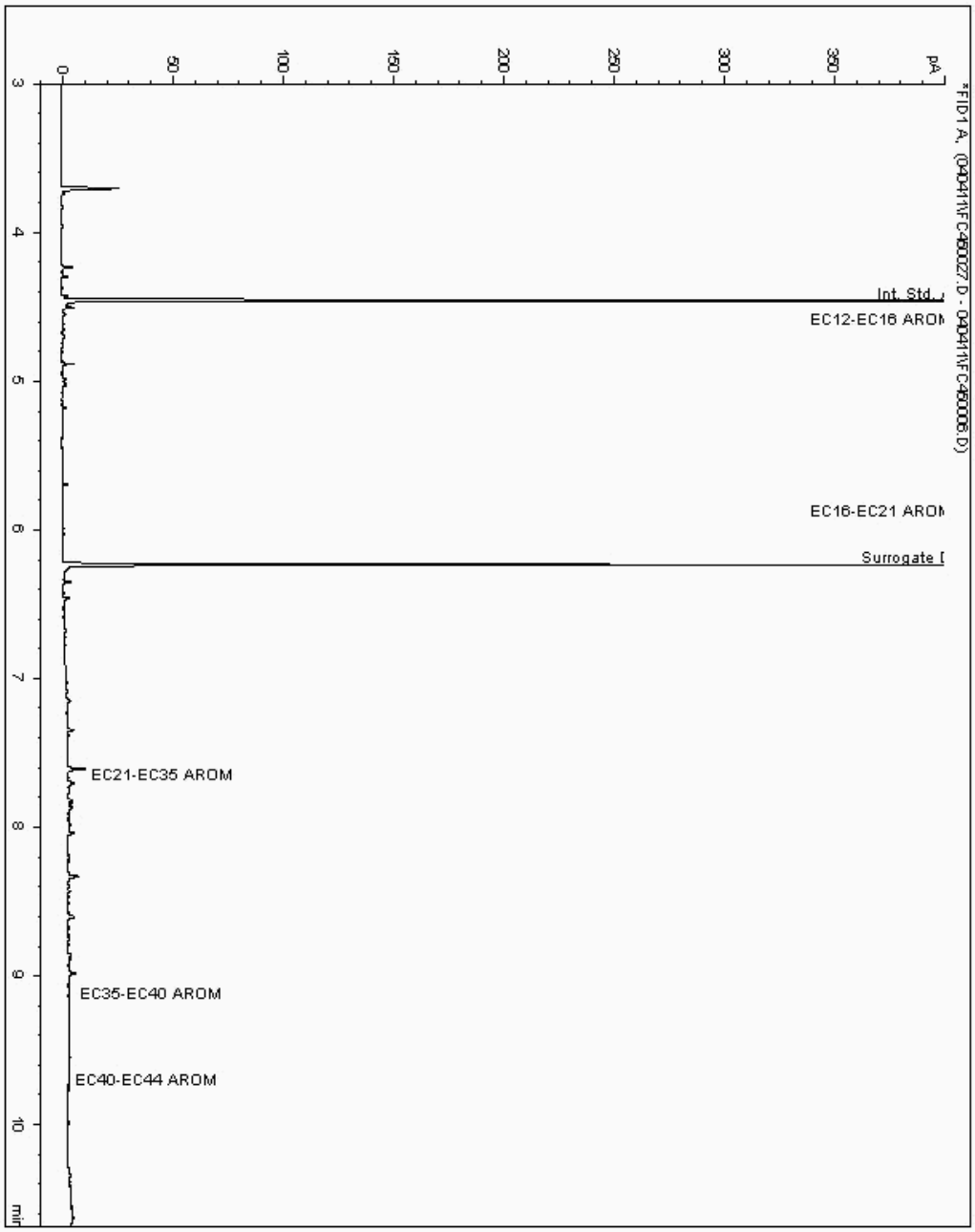
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3212385
Sample ID : CATP003

Depth : 0.80

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

Sample Identity: 3247036-3212385
Date Acquired : 04/04/11 19:39:50 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

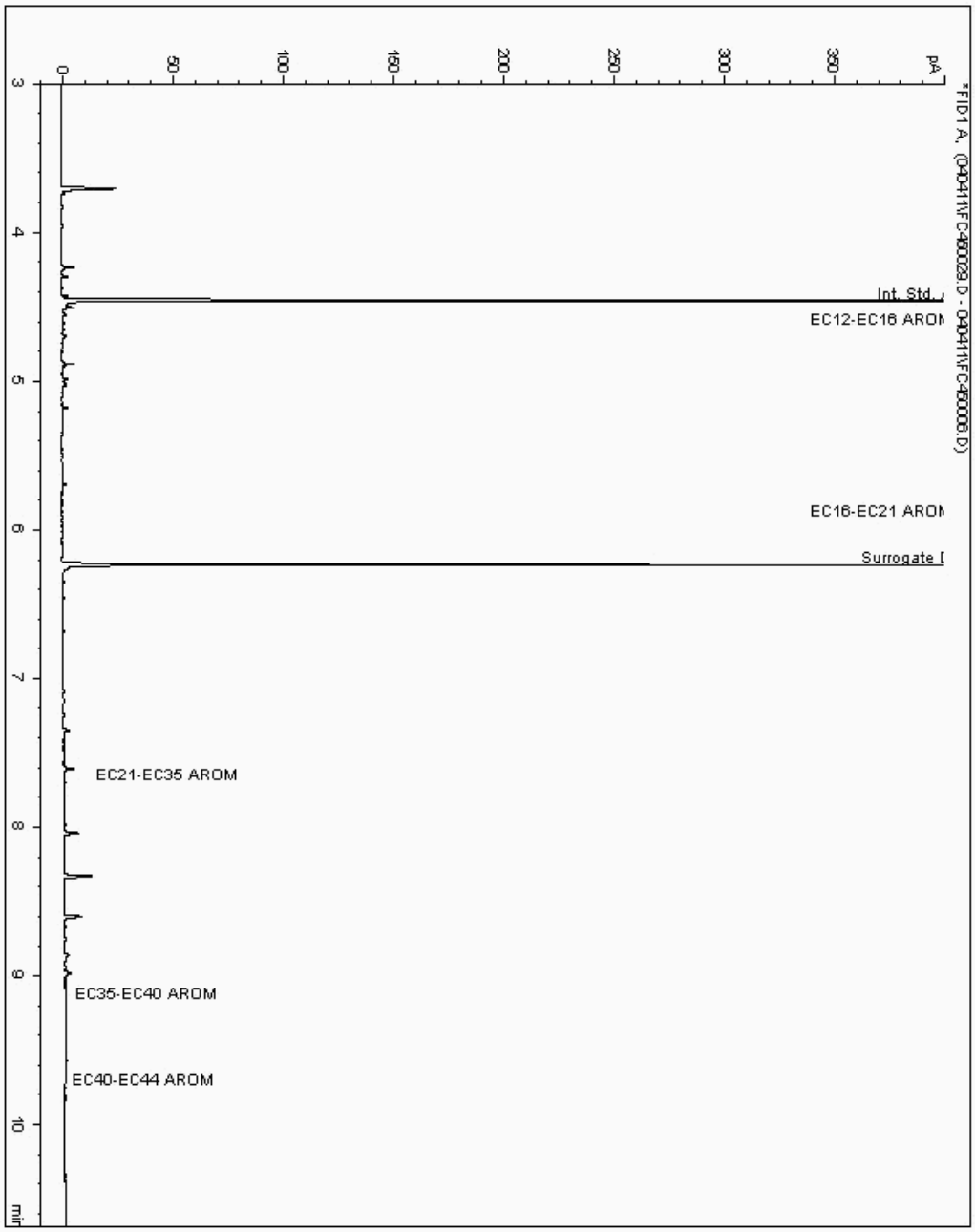
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3212394
Sample ID : CATP001

Depth : 0.30

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

Sample Identity: 3246939-3212394
Date Acquired : 04/04/11 20:10:19 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

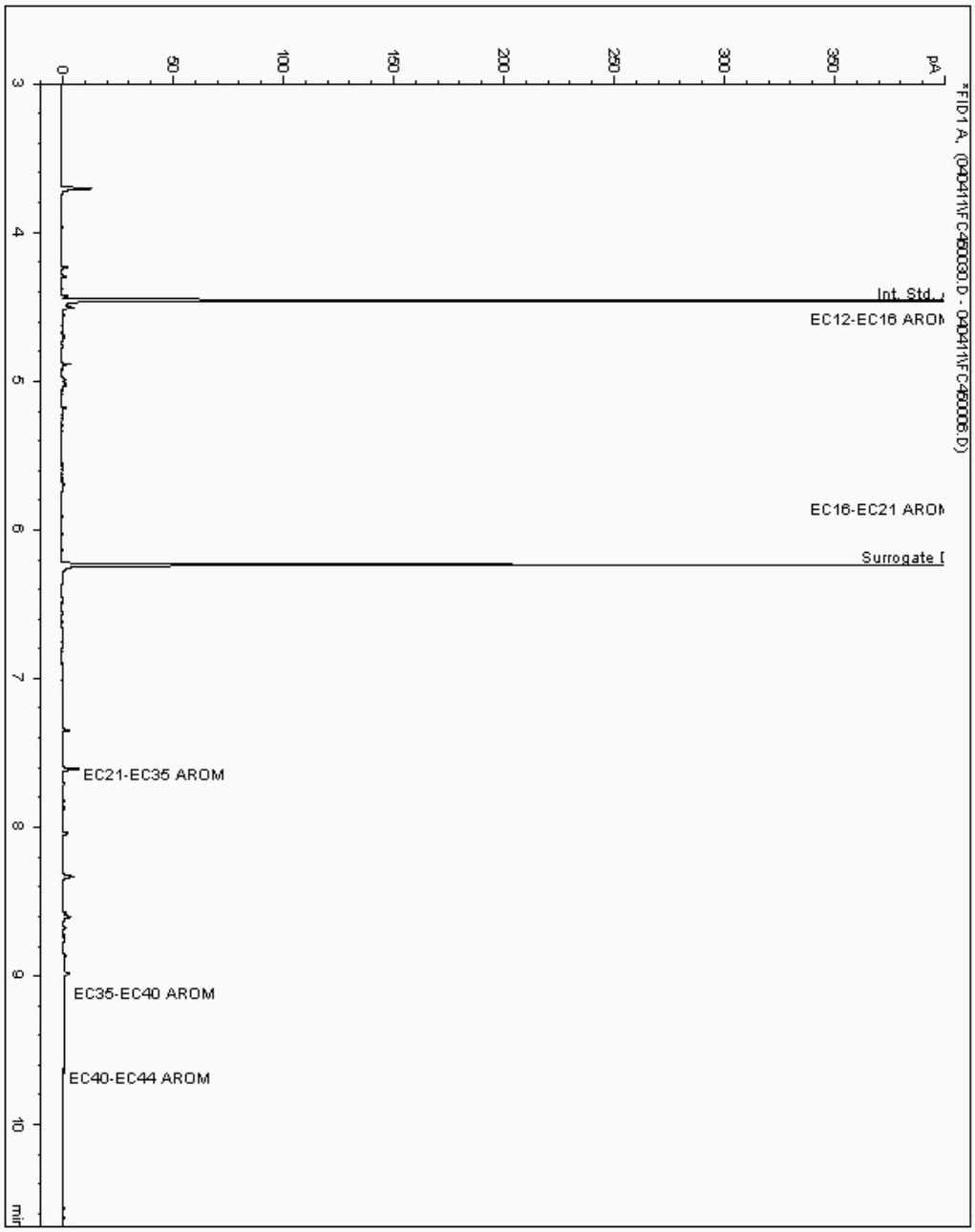
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3212429
Sample ID : CATP003

Depth : 0.20

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

Sample Identity: 3247009-3212429
Date Acquired : 04/04/11 20:30:19 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

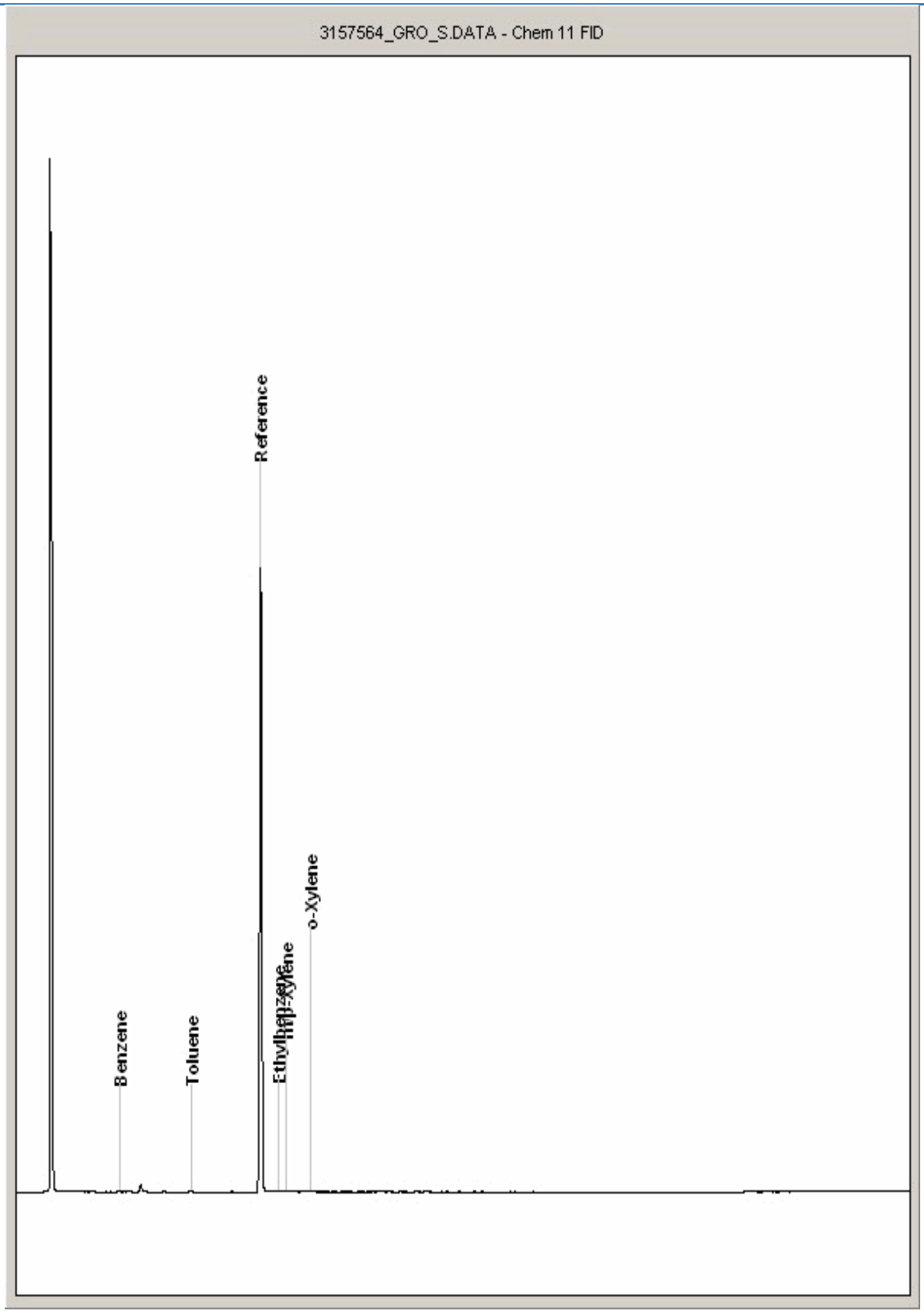
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157564
Sample ID : CATP001

Depth : 0.30



CERTIFICATE OF ANALYSIS

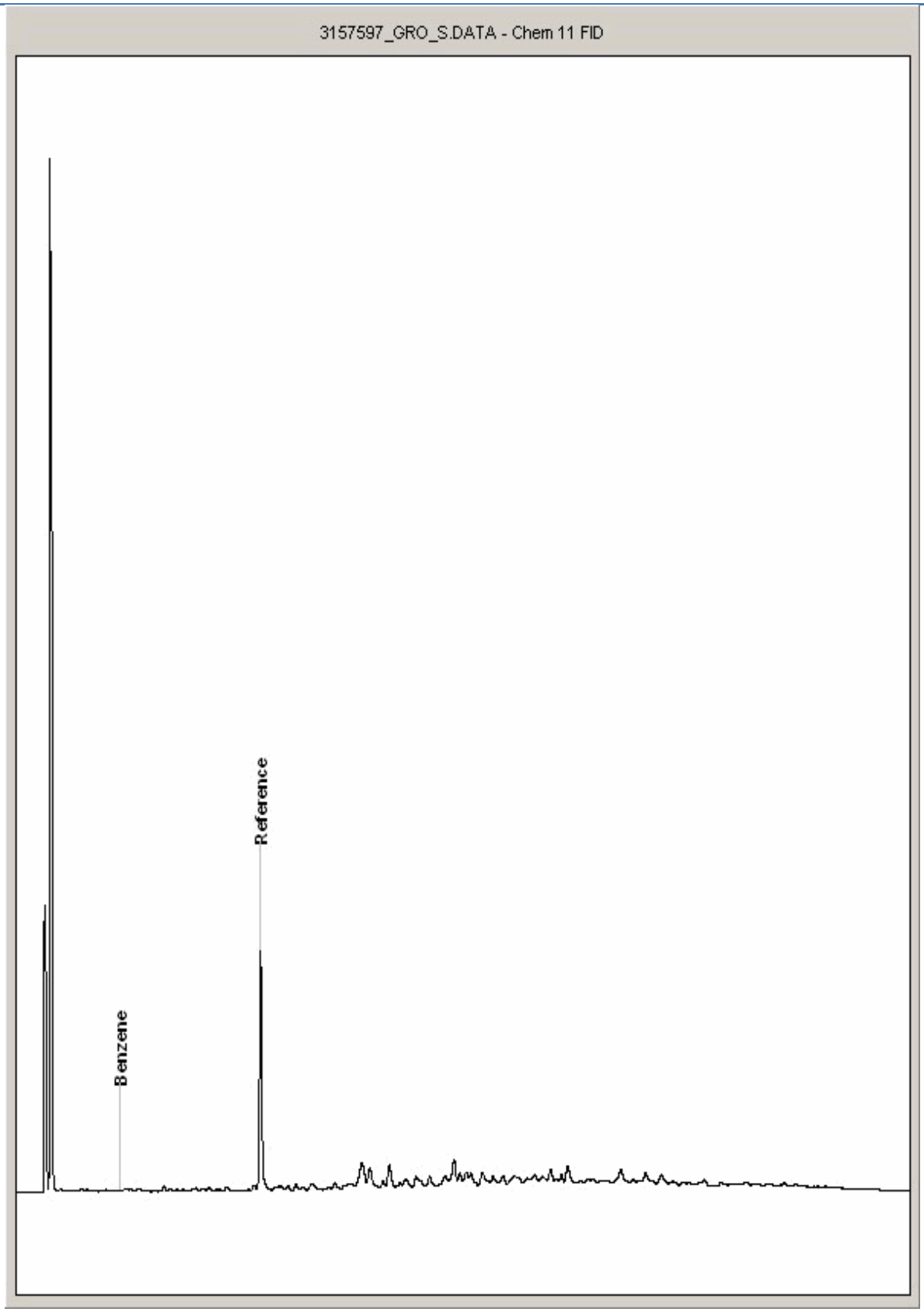
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157597
Sample ID : CATP001

Depth : 1.30



CERTIFICATE OF ANALYSIS

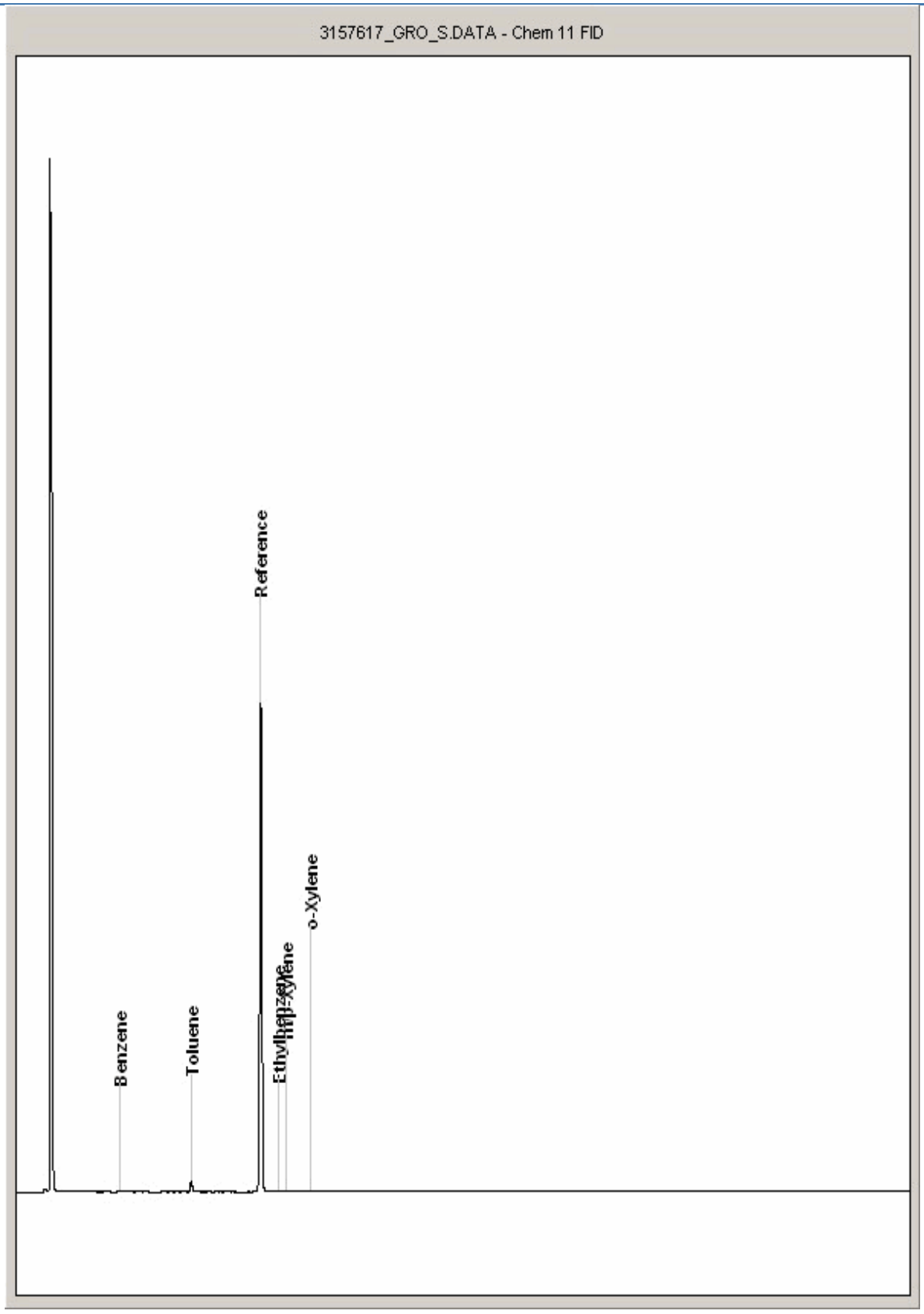
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157617
Sample ID : CATP002

Depth : 0.80



CERTIFICATE OF ANALYSIS

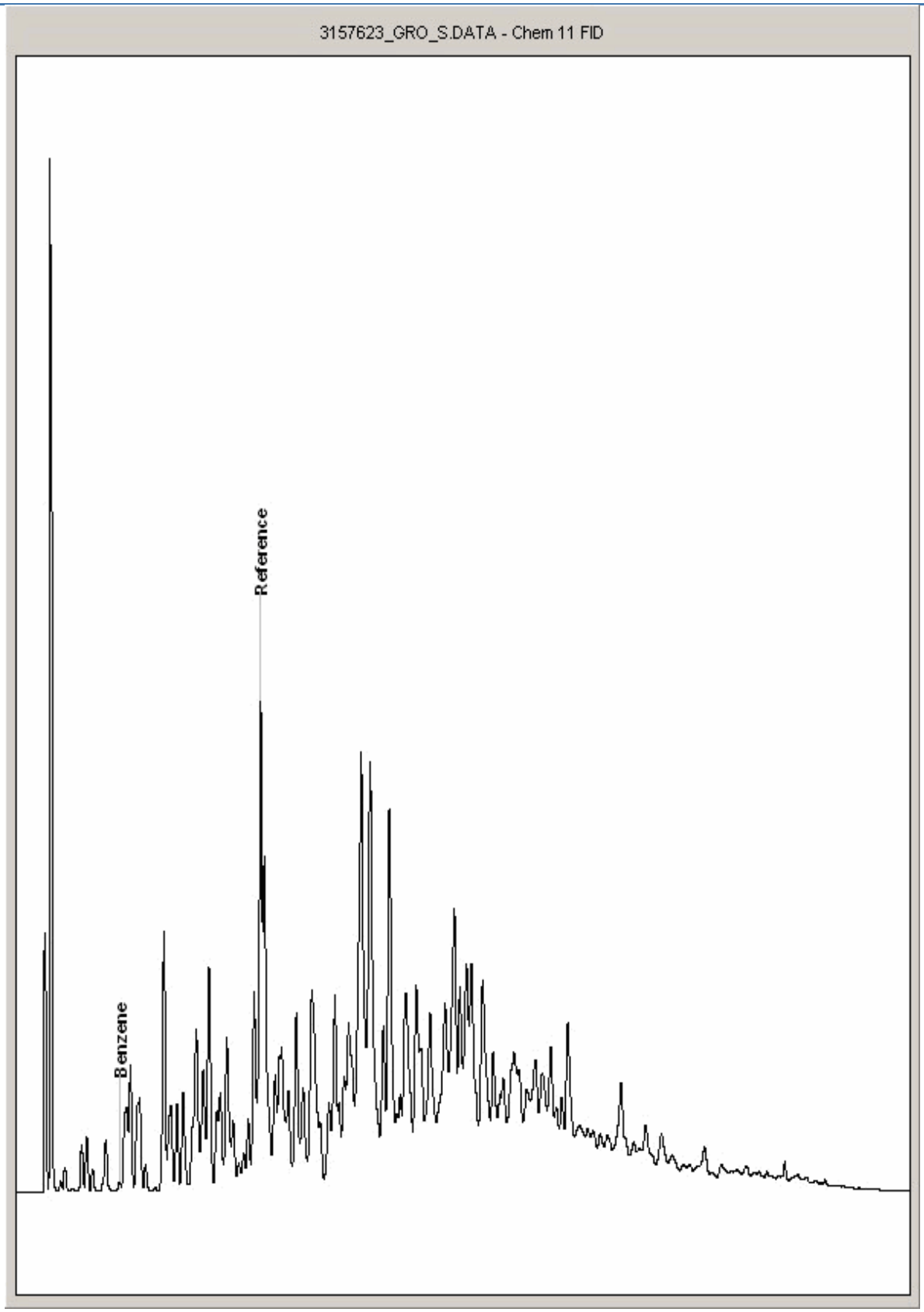
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157623
Sample ID : CATP002

Depth : 1.50



CERTIFICATE OF ANALYSIS

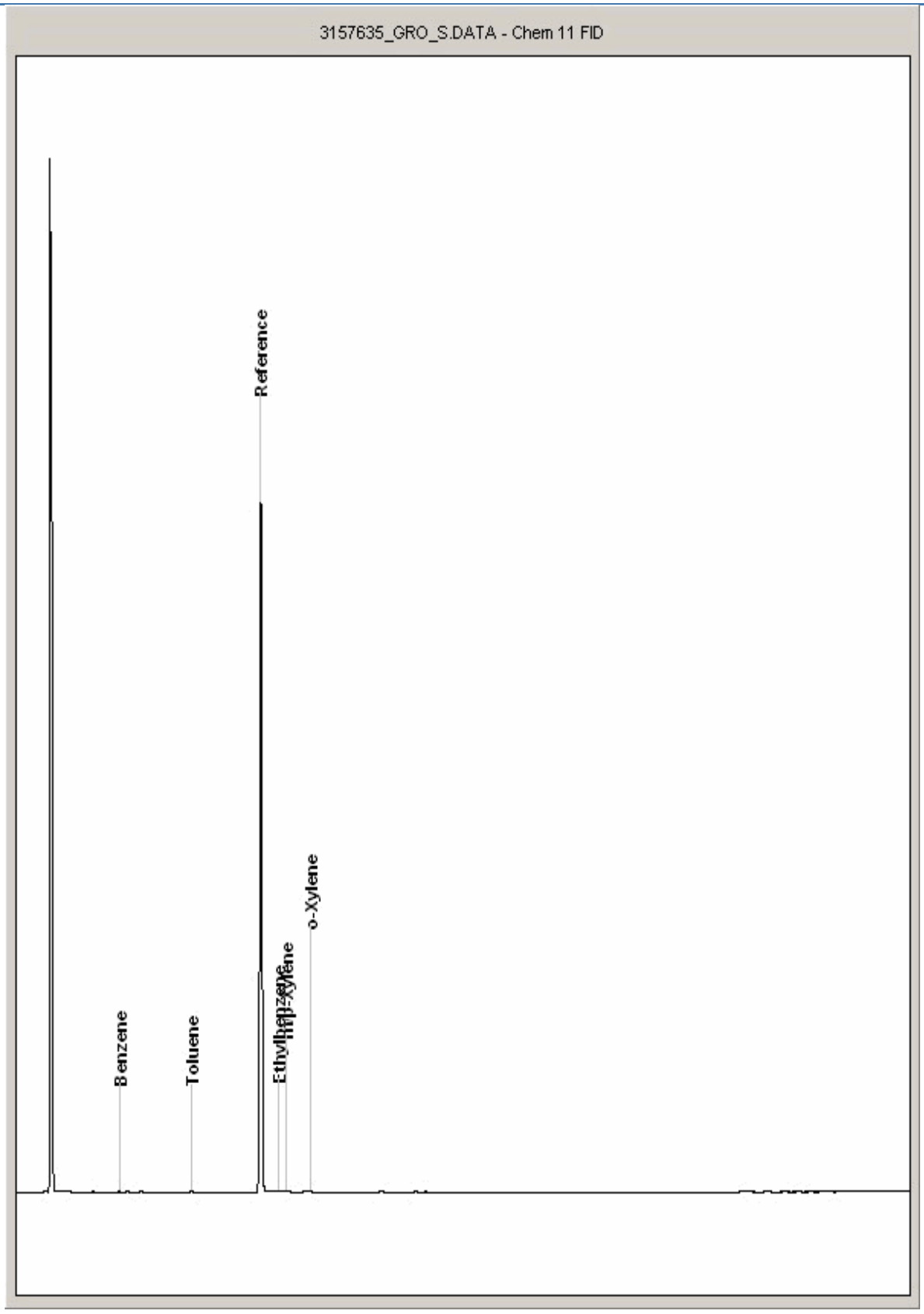
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157635
Sample ID : CATP003

Depth : 0.20



CERTIFICATE OF ANALYSIS

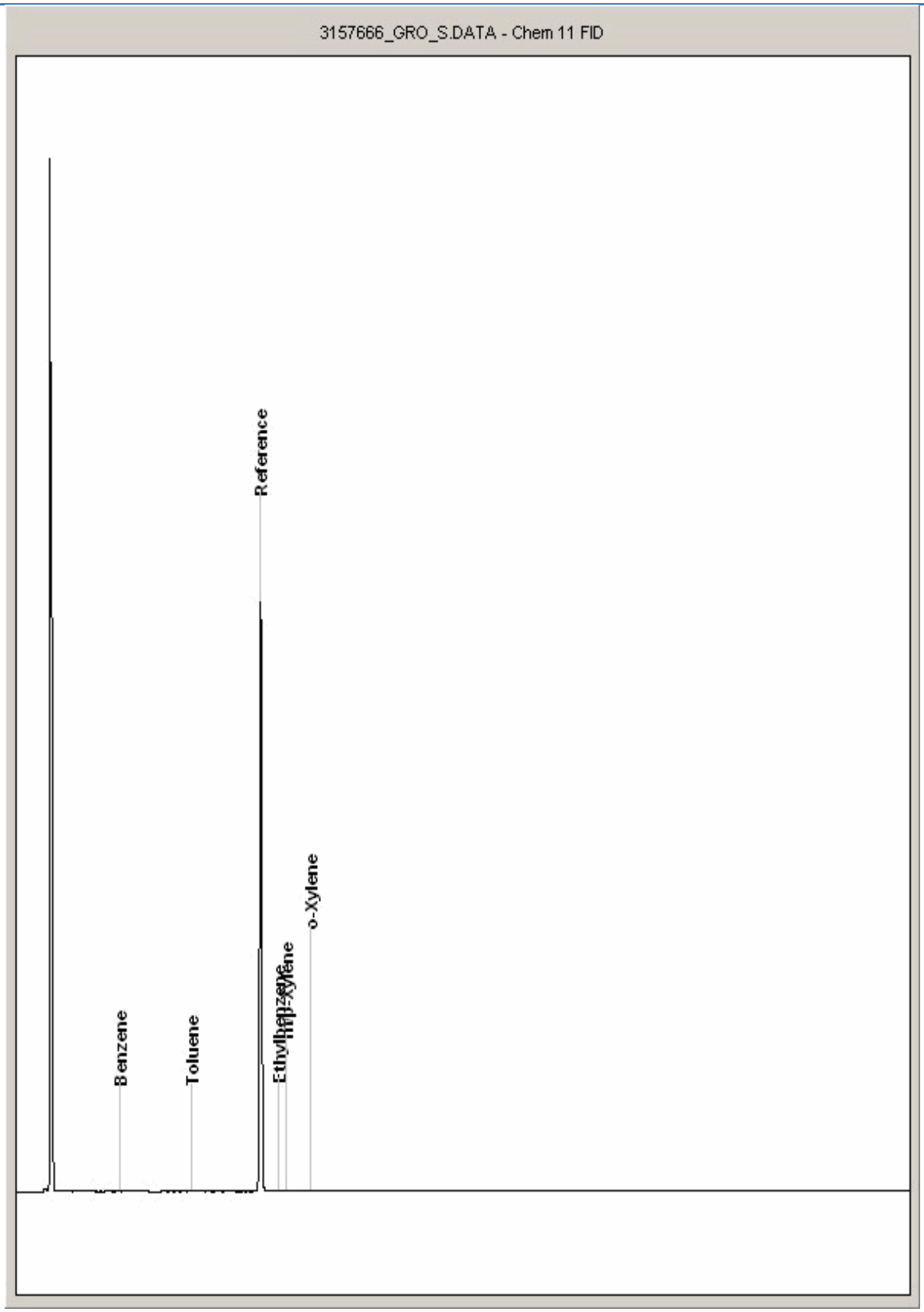
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157666
Sample ID : CATP003

Depth : 0.80



CERTIFICATE OF ANALYSIS

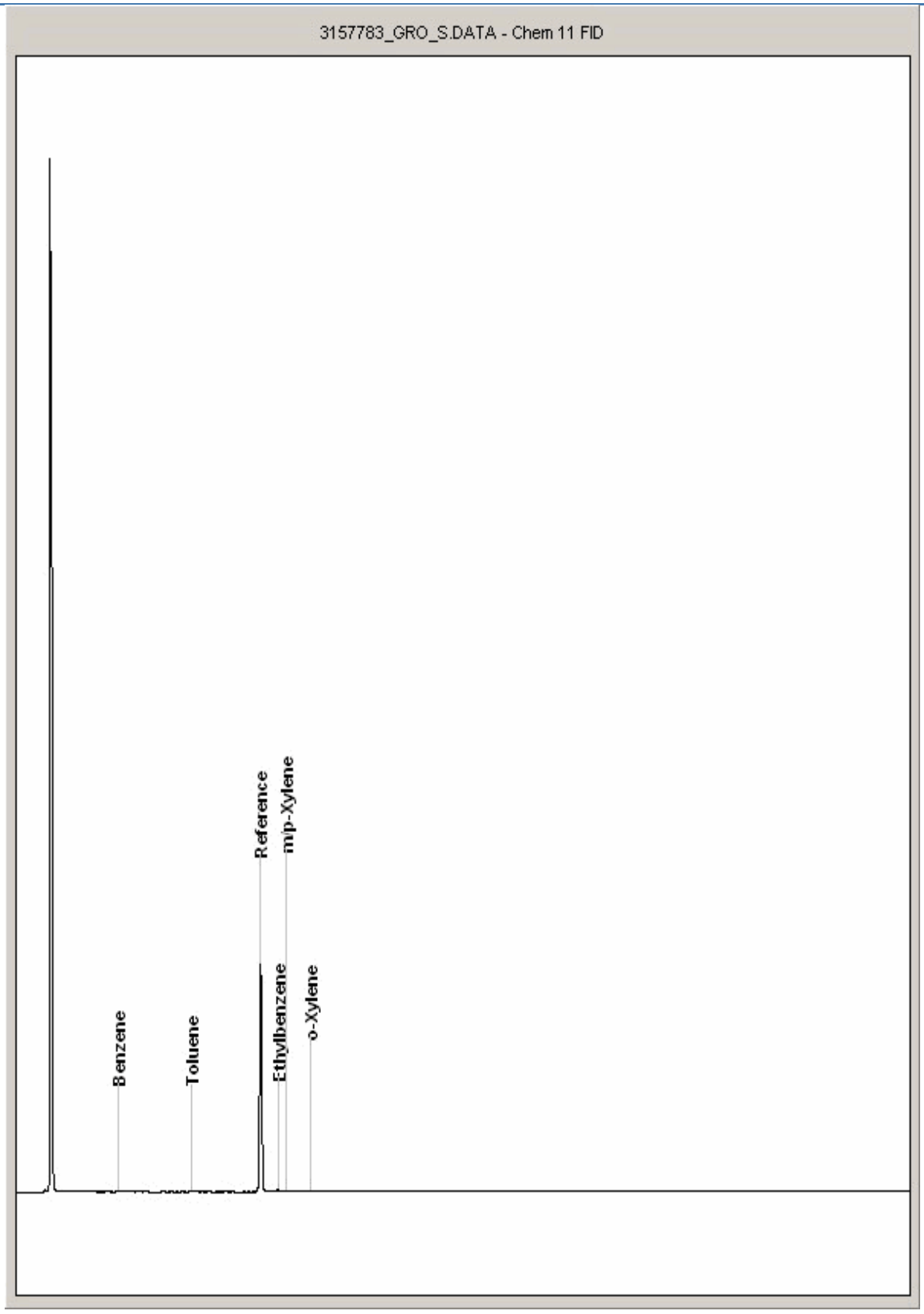
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157783
Sample ID : CATP003

Depth : 1.80



CERTIFICATE OF ANALYSIS

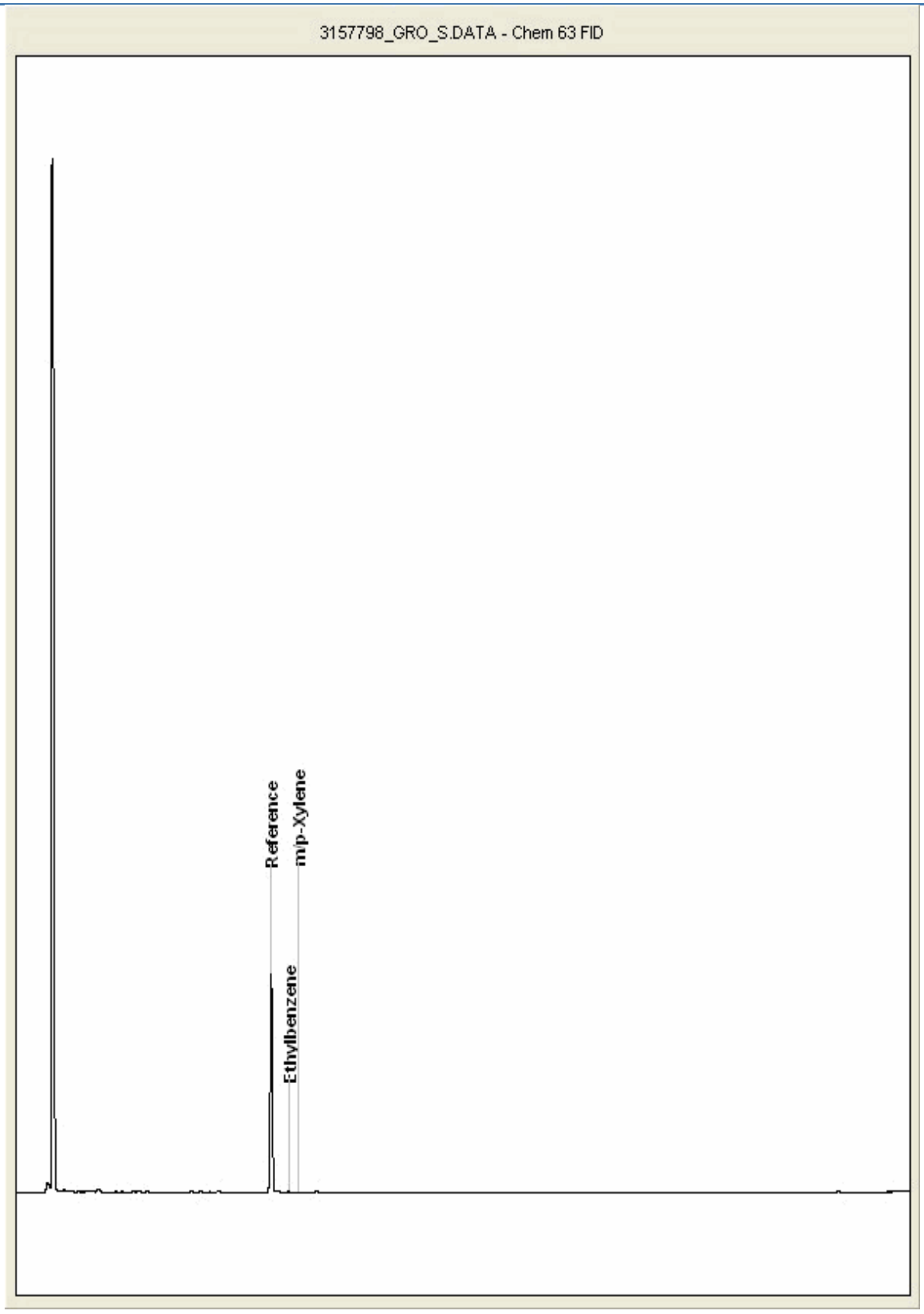
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157798
Sample ID : CATP004

Depth : 0.20



CERTIFICATE OF ANALYSIS

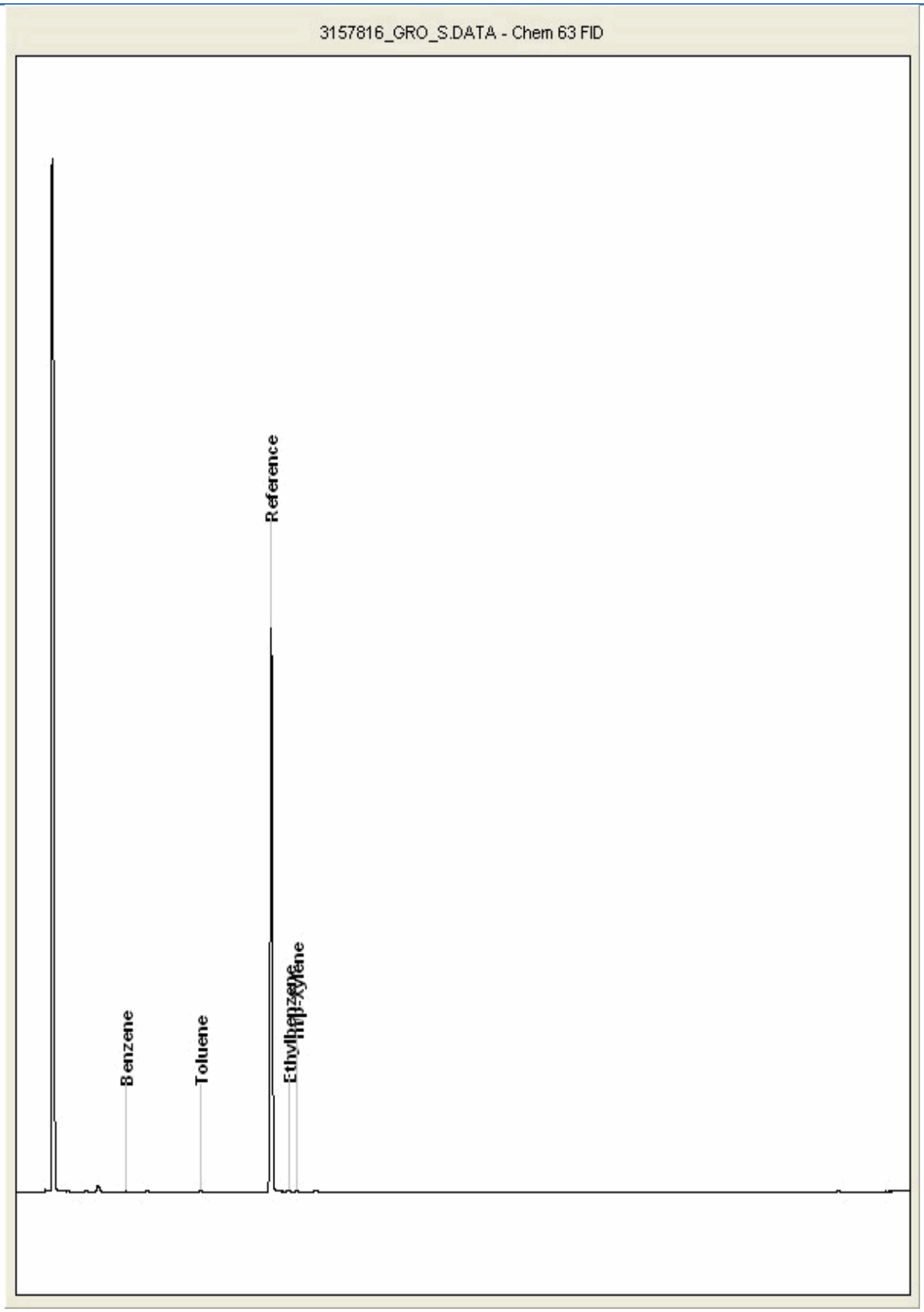
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157816
Sample ID : CATP004

Depth : 0.70



CERTIFICATE OF ANALYSIS

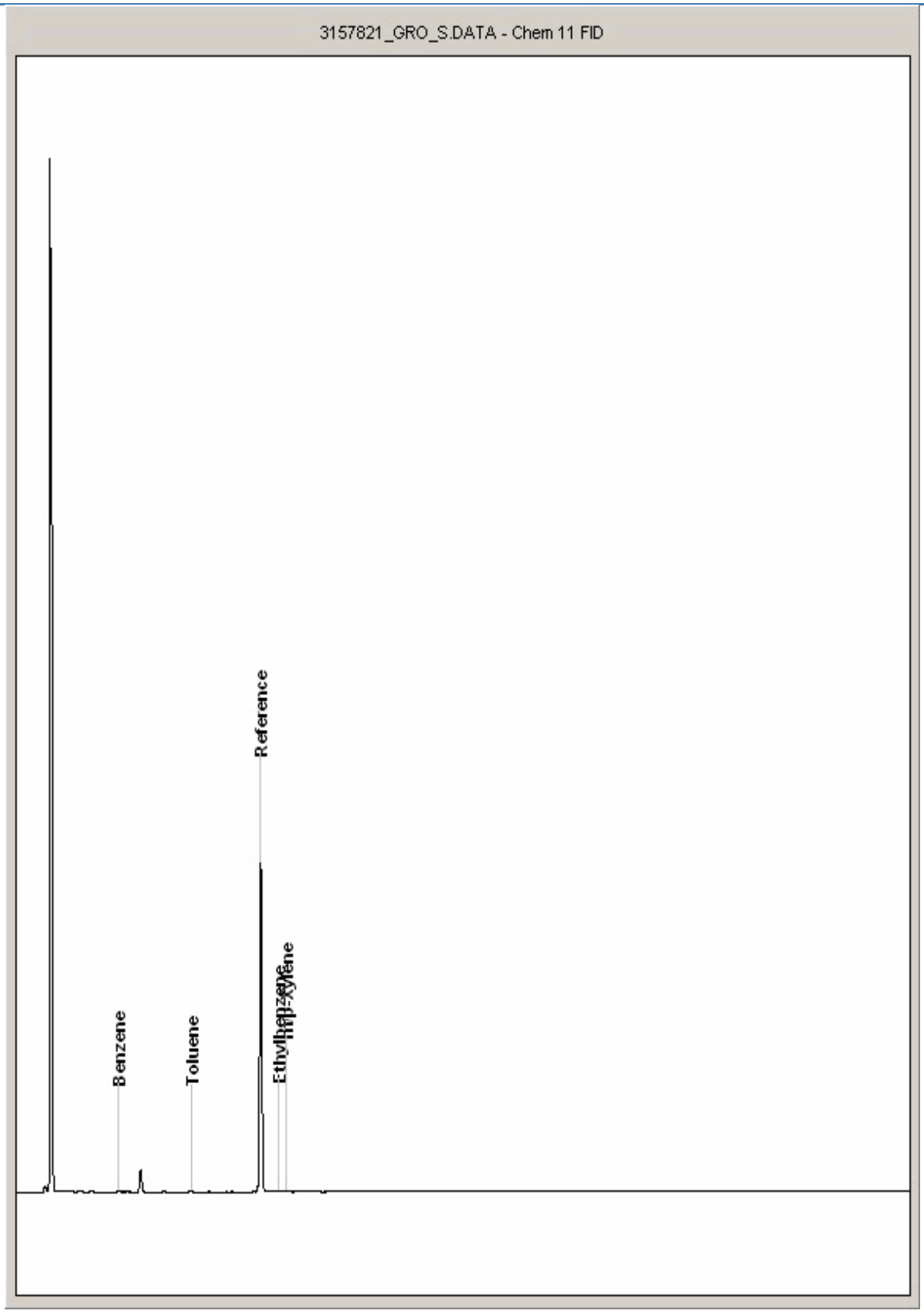
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157821
Sample ID : CATP006

Depth : 0.50



CERTIFICATE OF ANALYSIS

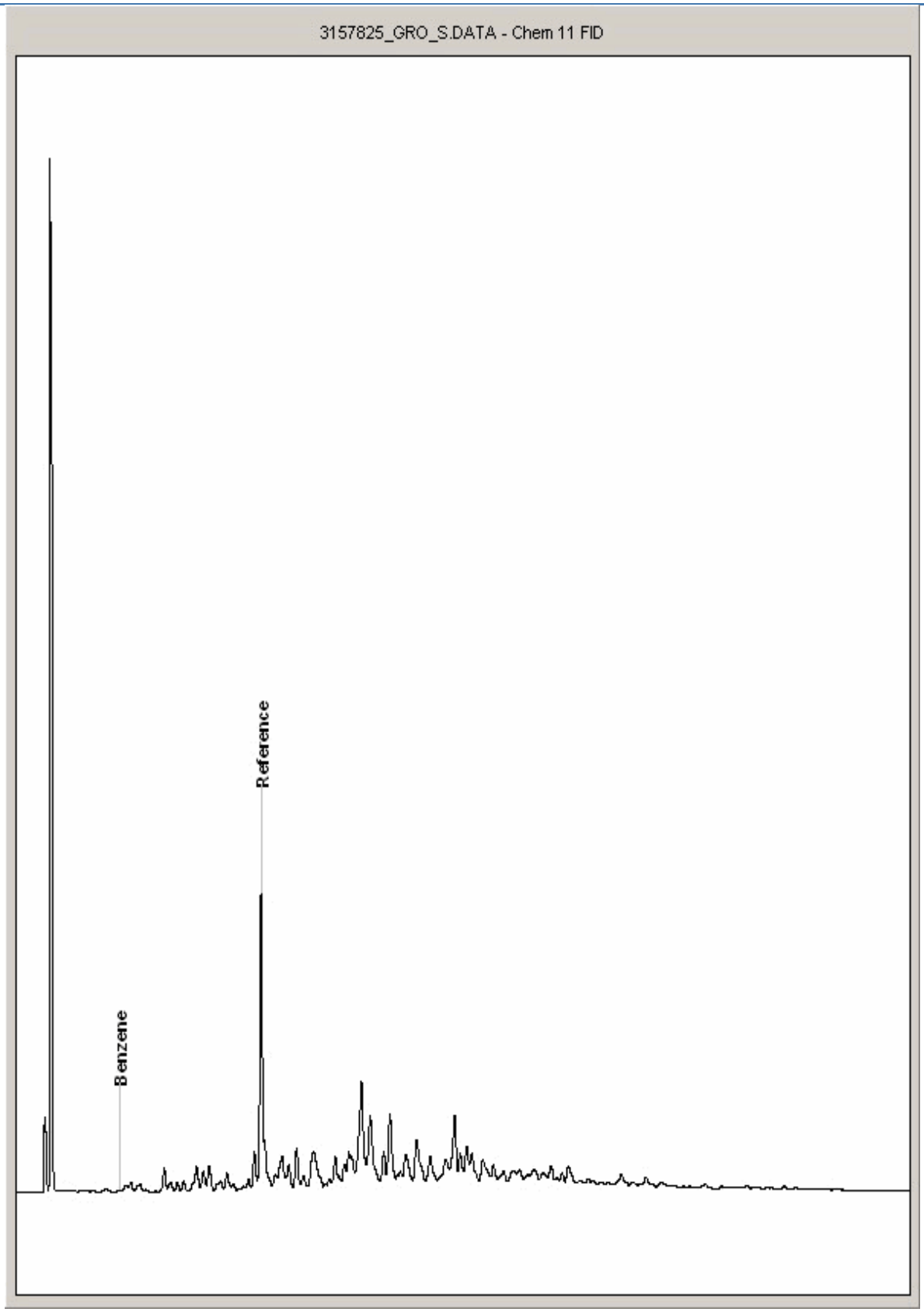
SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157825
Sample ID : CATP006

Depth : 1.20



CERTIFICATE OF ANALYSIS

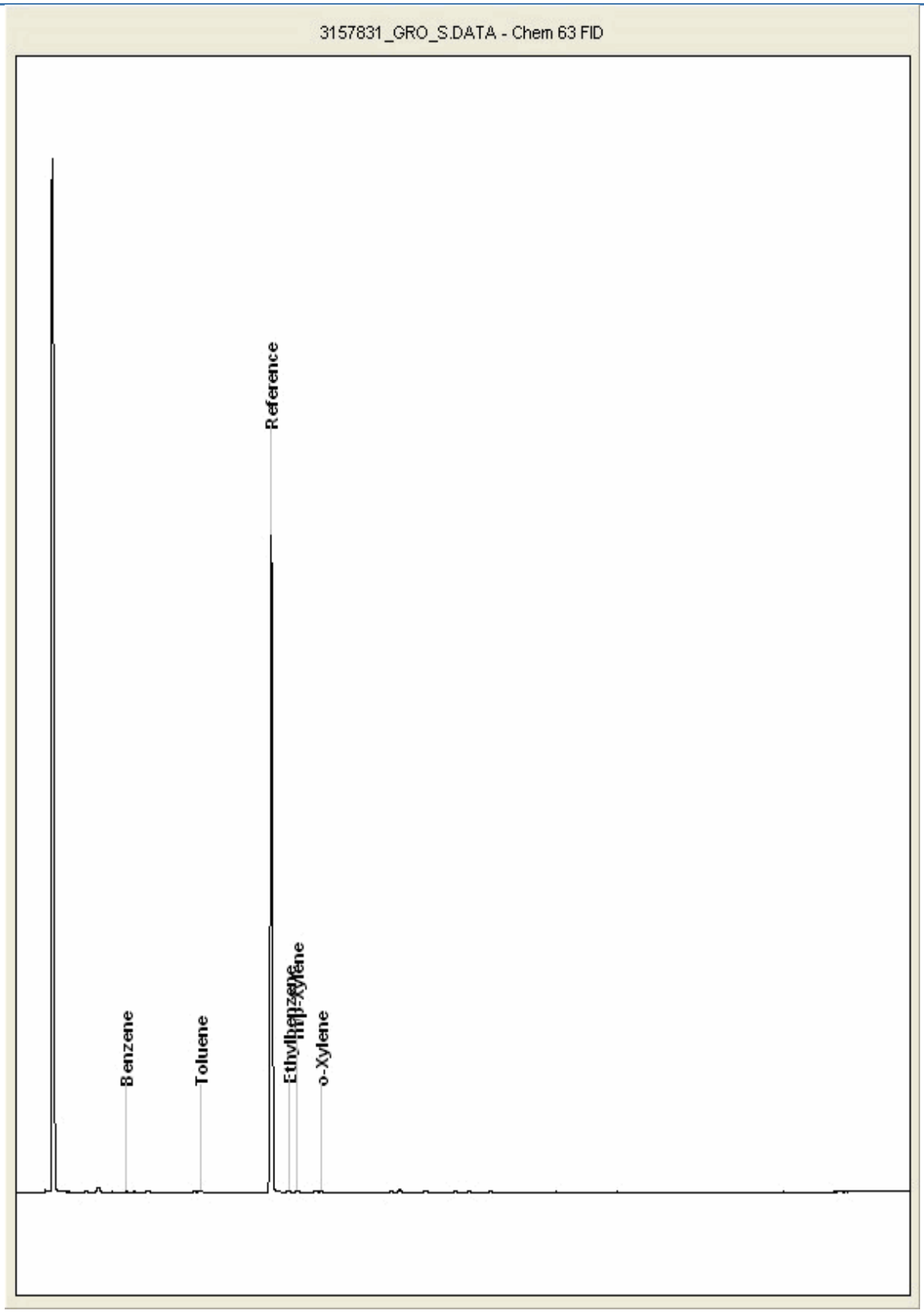
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3157831
Sample ID : CATP007

Depth : 0.30



SDG:	110325-2	**Location:**	Coed Darcy Urban Village	**Order Number:**	CD106
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	124416
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	124415

Appendix

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

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

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.

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

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

6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.

7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample -similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.

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

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

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

11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.

12. Results relate only to the items tested

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

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

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

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).

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

18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not
accredited.

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

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

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

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

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

24. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 -C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
SOLVENT EXTRACTABLE MATTER	D&C	DCM	SOXTHERM	GRAVIMETRIC
CYCLOHEXANE EXT. MATTER	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
THIN LAYER CHROMATOGRAPHY	D&C	DCM	SOXTHERM	IATROSCAN
ELEMENTAL SULPHUR	D&C	DCM	SOXTHERM	HPLC
PHENOLS BY GCMS	WET	DCM	SOXTHERM	GC-MS
HERBICIDES	D&C	HEXANE/ACETONE	SOXTHERM	GC-MS
PESTICIDES	D&C	HEXANE/ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE/ACETONE	END OVER END	GC-FID
EPH (MINOL)	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

LIQUID MATRICES EXTRACTION SUMMARY

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

Identification of Asbestos in Bulk Materials

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

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

Visual Estimation Of Fibre Content

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

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

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

ALcontrol Laboratories

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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:	13 April 2011
Customer:	H_ATKINS_LDC
Sample Delivery Group (SDG):	110330-44
Your Reference:	Commercial Area
Location:	Coed Darcy Urban Village
Report No:	125242

This report directly supersedes report 125112 in its entirety.

We received 85 samples on Wednesday March 30, 2011 and 62 of these samples were scheduled for analysis which was completed on Wednesday April 13, 2011. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

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

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

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

Approved By:



Sonia McWhan

Operations Manager

1291

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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:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
3187361	CATP027		0.30	28/03/2011
3187362	CATP027		1.00	28/03/2011
3187364	CATP027		2.50	28/03/2011
3187365	CATP028		0.10	28/03/2011
3187366	CATP028		0.70	28/03/2011
3187367	CATP029		0.40	28/03/2011
3187369	CATP029		0.80	28/03/2011
3187370	CATP029		1.50	28/03/2011
3187371	CATP029		2.50	28/03/2011
3187372	CATP030		0.10	28/03/2011
3187373	CATP030		0.80	28/03/2011
3187374	CATP030		1.50	28/03/2011
3187375	CATP031		0.20	28/03/2011
3187376	CATP031		0.60	28/03/2011
3187377	CATP031		1.20	28/03/2011
3187378	CATP031		2.20	28/03/2011
3187379	CATP033		0.40	28/03/2011
3187380	CATP033		0.90	28/03/2011
3187381	CATP033		1.50	28/03/2011
3187424	CATP034		0.50	28/03/2011
3187422	CATP035		0.50	28/03/2011
3187423	CATP035		1.30	28/03/2011
3187419	CATP036		0.90	28/03/2011
3187420	CATP036		1.20	28/03/2011
3187421	CATP036		2.70	28/03/2011
3187426	CATP041		0.50	28/03/2011
3187427	CATP041		1.10	28/03/2011
3187382	CATP043		0.20	28/03/2011
3187383	CATP043		0.80	28/03/2011
3187428	CATP044		0.60	28/03/2011
3187431	CATP044		2.00	28/03/2011
3187432	CATP044		3.00	28/03/2011
3187435	CATP045		1.00	28/03/2011
3187436	CATP045		1.50	28/03/2011
3187385	CATP046		0.90	28/03/2011
3187386	CATP046		1.60	28/03/2011
3187387	CATP046		3.00	28/03/2011
3187389	CATP047		1.50	28/03/2011
3187390	CATP047		2.20	28/03/2011
3187392	CATP048		0.70	28/03/2011
3187394	CATP048		2.30	28/03/2011
3187395	CATP050		0.30	29/03/2011
3187396	CATP051		0.20	29/03/2011
3187397	CATP051		0.60	29/03/2011
3187398	CATP052		0.30	29/03/2011
3187438	CATP053		1.00	29/03/2011
3187439	CATP053		2.00	29/03/2011
3187400	CATP054		0.80	29/03/2011
3187402	CATP054		1.50	29/03/2011
3187441	CATP055		0.50	29/03/2011
3187442	CATP055		1.00	29/03/2011
3187443	CATP055		2.00	29/03/2011
3187445	CATP056		0.20	29/03/2011
3187446	CATP056		1.00	29/03/2011
3187403	CATP057		0.40	29/03/2011
3187405	CATP057		2.70	29/03/2011

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
3187406	CATP058		0.40	29/03/2011
3187407	CATP058		0.90	29/03/2011
3187410	CATP058		2.30	29/03/2011
3187412	CATP059		1.20	29/03/2011
3187447	CATP062		0.50	29/03/2011
3187448	CATP062		1.00	29/03/2011
3187449	CATP062		1.40	29/03/2011
3187450	CATP063		0.50	29/03/2011
3187452	CATP063		1.30	29/03/2011
3187454	CATP064		0.50	29/03/2011
3187457	CATP064		1.00	29/03/2011
3187413	CATP065		0.40	29/03/2011
3187455	CATP065		1.00	29/03/2011
3187414	CATP066		0.40	29/03/2011
3187415	CATP066		0.80	29/03/2011
3187416	CATP067		0.50	29/03/2011
3187417	CATP067		0.90	29/03/2011

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

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			3187361			3187362			3187364			3187365			3187366			3187367			3187369			3187370			3187371			3187372			3187373			3187374			3187375			3187376
Customer Sample Reference			CATP027			CATP027			CATP027			CATP028			CATP028			CATP029			CATP029			CATP029			CATP029			CATP030			CATP030			CATP030			CATP031			CATP031
AGS Reference																																										
Depth (m)			0.30			1.00			2.50			0.10			0.70			0.40			0.80			1.50			2.50			0.10			0.80			1.50			0.20			0.60
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
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Anions by Kone (soil)	All	NDPs: 0 Tests: 72	X			X			X			X			X			X			X			X			X			X			X			X			X			X
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 50		X			X						X			X			X			X								X	X			X						X		
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
	Cadmium	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
	Chromium	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
	Copper	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
	Lead	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
	Mercury	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
	Nickel	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
	Selenium	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X
	Vanadium	NDPs: 0 Tests: 73	X			X			X			X			X			X			X			X			X			X			X			X			X			X

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Metals by iCap-OES (Soil)	Zinc	NDPs: 0 Tests: 73	3187361	CATP027		0.30	250g Amber Jar
			3187362	CATP027		1.00	250g Amber Jar
			3187364	CATP027		2.50	250g Amber Jar
			3187365	CATP028		0.10	250g Amber Jar
			3187366	CATP028		0.70	250g Amber Jar
			3187367	CATP029		0.40	250g Amber Jar
			3187369	CATP029		0.80	250g Amber Jar
			3187370	CATP029		1.50	250g Amber Jar
			3187371	CATP029		2.50	250g Amber Jar
			3187372	CATP030		0.10	250g Amber Jar
			3187373	CATP030		0.80	250g Amber Jar
			3187374	CATP030		1.50	250g Amber Jar
			3187375	CATP031		0.20	250g Amber Jar
			3187376	CATP031		0.60	250g Amber Jar
NO3, NO2 and TON by KONE (s)	All	NDPs: 0 Tests: 73					
pH	All	NDPs: 0 Tests: 73					
Sample description	All	NDPs: 0 Tests: 73					
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 73					
Total Organic Carbon	All	NDPs: 0 Tests: 19					
TPH CWG GC (S)	All	NDPs: 0 Tests: 73					
VOC MS (S)	All	NDPs: 0 Tests: 73					

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

- X = Test
- N = No Determination Possible

Lab Sample No(s)			3187376		3187377			3187378			3187379			3187380			3187381			3187382			3187383			3187385			3187386			3187387			3187389			3187390			3187392	
Customer Sample Reference			CATP031		CATP031			CATP031			CATP033			CATP033			CATP033			CATP043			CATP043			CATP046			CATP046			CATP046			CATP047			CATP047			CATP048	
AGS Reference																																										
Depth (m)			0.60		1.20			2.20			0.40			0.90			1.50			0.20			0.80			0.90			1.60			3.00			1.50			2.20			0.70	
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	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
Anions by Kone (soil)	All	NDPs: 0 Tests: 72			X			X			X			X			X			X			X			X			X			X			X			X			X	
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 50	X								X	X			X						X			X		X	X									X						X
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 73		X			X			X			X			X			X			X			X			X			X			X			X			X			X		
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
	Cadmium	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
	Chromium	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
	Copper	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
	Lead	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
	Mercury	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
	Nickel	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
	Selenium	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
	Vanadium	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Metals by iCap-OES (Soil)	Zinc	NDPs: 0 Tests: 73	3187376	CATP031		0.60	400g Tub
			3187377	CATP031		1.20	60g VOC
			3187378	CATP031		2.20	250g Amber Jar
			3187379	CATP033		0.40	400g Tub
			3187380	CATP033		0.90	60g VOC
			3187381	CATP033		1.50	250g Amber Jar
			3187382	CATP043		0.20	400g Tub
			3187383	CATP043		0.80	60g VOC
			3187385	CATP046		0.90	250g Amber Jar
			3187386	CATP046		1.60	400g Tub
			3187387	CATP046		3.00	60g VOC
			3187389	CATP047		1.50	250g Amber Jar
			3187390	CATP047		2.20	400g Tub
			3187392	CATP048		0.70	60g VOC
							250g Amber Jar
NO3, NO2 and TON by KONE (s)	All	NDPs: 0 Tests: 73					
pH	All	NDPs: 0 Tests: 73					
Sample description	All	NDPs: 0 Tests: 73					
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 73					
Total Organic Carbon	All	NDPs: 0 Tests: 19					
TPH CWG GC (S)	All	NDPs: 0 Tests: 73					
VOC MS (S)	All	NDPs: 0 Tests: 73					

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			3187392	CATP048		0.70	60g VOC
			3187394	CATP048		2.30	250g Amber Jar
							400g Tub
							60g VOC
			3187395	CATP050		0.30	250g Amber Jar
							400g Tub
							60g VOC
			3187396	CATP051		0.20	250g Amber Jar
							400g Tub
							60g VOC
			3187397	CATP051		0.60	250g Amber Jar
							400g Tub
							60g VOC
			3187398	CATP052		0.30	250g Amber Jar
							400g Tub
							60g VOC
			3187400	CATP054		0.80	250g Amber Jar
							400g Tub
							60g VOC
			3187402	CATP054		1.50	250g Amber Jar
							400g Tub
							60g VOC
			3187403	CATP057		0.40	250g Amber Jar
							400g Tub
							60g VOC
			3187405	CATP057		2.70	250g Amber Jar
							400g Tub
							60g VOC
			3187406	CATP058		0.40	250g Amber Jar
							400g Tub
							60g VOC
			3187407	CATP058		0.90	250g Amber Jar
							400g Tub
							60g VOC
			3187410	CATP058		2.30	250g Amber Jar
							400g Tub
							60g VOC
			3187411	CATP059		0.70	400g Tub
			3187412	CATP059		1.20	250g Amber Jar
							400g Tub
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 73					
Anions by Kone (soil)	All	NDPs: 0 Tests: 72					
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 50					
Asbestos Identification	All	NDPs: 0 Tests: 1					
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 73					
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 73					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 73					
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 73					
	Cadmium	NDPs: 0 Tests: 73					
	Chromium	NDPs: 0 Tests: 73					
	Copper	NDPs: 0 Tests: 73					
	Lead	NDPs: 0 Tests: 73					
	Mercury	NDPs: 0 Tests: 73					
	Nickel	NDPs: 0 Tests: 73					
	Selenium	NDPs: 0 Tests: 73					

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Metals by iCap-OES (Soil)	Vanadium	NDPs: 0 Tests: 73	3187392	CATP048		0.70	60g VOC
			3187394	CATP048		2.30	250g Amber Jar
			3187395	CATP050		0.30	400g Tub
			3187396	CATP051		0.20	60g VOC
			3187397	CATP051		0.60	250g Amber Jar
			3187398	CATP052		0.30	400g Tub
			3187400	CATP054		0.80	60g VOC
			3187402	CATP054		1.50	250g Amber Jar
			3187403	CATP057		0.40	400g Tub
			3187405	CATP057		2.70	60g VOC
			3187406	CATP058		0.40	250g Amber Jar
			3187407	CATP058		0.90	400g Tub
			3187410	CATP058		2.30	60g VOC
			3187411	CATP059		0.70	400g Tub
			3187412	CATP059		1.20	250g Amber Jar
NO3, NO2 and TON by KONE (s)	All	NDPs: 0 Tests: 73					
pH	All	NDPs: 0 Tests: 73					
Sample description	All	NDPs: 0 Tests: 73					
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 73					
TPH CWG GC (S)	All	NDPs: 0 Tests: 73					
VOC MS (S)	All	NDPs: 0 Tests: 73					

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
Anions by Kone (soil)	All	NDPs: 0 Tests: 72	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 50	3187424	CATP034		0.50	400g Tub
			3187422	CATP035		0.50	60g VOC
			3187423	CATP035		1.30	400g Tub
			3187419	CATP036		0.90	60g VOC
			3187420	CATP036		1.20	400g Tub
			3187426	CATP041		0.50	60g VOC
			3187412 3187427	CATP059 CATP041		1.20 1.10	60g VOC
			3187413	CATP065		0.40	60g VOC
			3187414	CATP066		0.40	60g VOC
			3187415	CATP066		0.80	400g Tub
			3187416	CATP067		0.50	1kg TUB
			3187417	CATP067		0.90	1kg TUB
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
GRO by GC-FID (S)	All	NDPs: 0 Tests: 73	3187424	CATP034		0.50	60g VOC
			3187422	CATP035		0.50	60g VOC
			3187423	CATP035		1.30	60g VOC
			3187419	CATP036		0.90	60g VOC
			3187420	CATP036		1.20	60g VOC
			3187421	CATP036		2.70	60g VOC
			3187426	CATP041		0.50	60g VOC
			3187412 3187427	CATP059 CATP041		1.20 1.10	60g VOC
			3187413	CATP065		0.40	60g VOC
			3187414	CATP066		0.40	60g VOC
			3187415	CATP066		0.80	60g VOC
			3187416	CATP067		0.50	60g VOC
			3187417	CATP067		0.90	60g VOC
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
	Cadmium	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
	Chromium	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
	Copper	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
	Lead	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
	Mercury	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
	Nickel	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
	Selenium	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
	Vanadium	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X Test

N No Determination Possible

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
Metals by iCap-OES (Soil)	Zinc	NDPs: 0 Tests: 73	3187424	CATP034		0.50	250g Amber Jar
			3187422	CATP035		0.50	250g Amber Jar
			3187423	CATP035		1.30	250g Amber Jar
			3187419	CATP036		0.90	250g Amber Jar
			3187420	CATP036		1.20	250g Amber Jar
			3187421	CATP036		2.70	250g Amber Jar
			3187426	CATP041		0.50	250g Amber Jar
			3187412 3187427	CATP059 CATP041		1.20 1.10	250g Amber Jar
			3187413	CATP065		0.40	250g Amber Jar
			3187414	CATP066		0.40	250g Amber Jar
			3187415	CATP066		0.80	250g Amber Jar
			3187416	CATP067		0.50	250g Amber Jar
			3187417	CATP067		0.90	250g Amber Jar
NO3, NO2 and TON by KONE (s)	All	NDPs: 0 Tests: 73					
PCBs by GCMS	All	NDPs: 0 Tests: 2					
pH	All	NDPs: 0 Tests: 73					
Sample description	All	NDPs: 0 Tests: 73					
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 73					
Total Organic Carbon	All	NDPs: 0 Tests: 19					
TPH CWG GC (S)	All	NDPs: 0 Tests: 73					
VOC MS (S)	All	NDPs: 0 Tests: 73					

ALcontrol Laboratories

Validated

CERTIFICATE OF ANALYSIS

SDG: 110330-44
Job: H_ATKINS_LDC-109
Client Reference: Commercial Area
Location: Coed Darcy Urban Village
Customer: Atkins Global Ltd
Attention: Selina Bamforth
Order Number:
Report Number: 125242
Superseded Report: 125112

SOLID

Results Legend

X Test

N No Determination Possible

	Lab Sample No(s)		3187428			3187431			3187432			3187435			3187436			3187438			3187439			3187441			3187442			3187443			3187445			3187446			3187447			3187448
	Customer Sample Reference		CATP044			CATP044			CATP044			CATP045			CATP045			CATP053			CATP053			CATP055			CATP055			CATP055			CATP056			CATP056			CATP062			CATP062
	AGS Reference																																									
	Depth (m)		0.60			2.00			3.00			1.00			1.50			1.00			2.00			0.50			1.00			2.00			0.20			1.00			0.50			1.00
	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	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
Anions by ion Chromatography	All	NDPs: 0 Tests: 1							X																																	
Anions by Kone (soil)	All	NDPs: 0 Tests: 72	X			X						X			X			X			X				X			X			X			X			X			X		
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 50		X															X									X					X			X			X			
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
	Cadmium	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
	Chromium	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
	Copper	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
	Lead	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
	Mercury	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
	Nickel	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
	Selenium	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		

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CERTIFICATE OF ANALYSIS

Validated

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			3187428			3187431			3187432			3187435			3187436			3187438			3187439			3187441			3187442			3187443			3187445			3187446			3187447			3187448
Customer Sample Reference			CATP044			CATP044			CATP044			CATP045			CATP045			CATP053			CATP053			CATP055			CATP055			CATP055			CATP056			CATP056			CATP062			CATP062
AGS Reference																																										
Depth (m)			0.60			2.00			3.00			1.00			1.50			1.00			2.00			0.50			1.00			2.00			0.20			1.00			0.50			1.00
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	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB
Metals by iCap-OES (Soil)	Vanadium	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
	Zinc	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
NO3, NO2 and TON by KONE (s)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
pH	All	NDPs: 0 Tests: 73		X			X			X			X			X			X			X		X			X			X			X			X			X			X
Sample description	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
TPH CWG GC (S)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X			X				X			X			X			X			X			X		
VOC MS (S)	All	NDPs: 0 Tests: 73			X			X			X			X			X			X			X			X			X			X			X			X			X	

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

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Results Legend

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

		Lab Sample No(s)	3187448			3187449			3187450			3187452			3187454			3187457		3187455		
		Customer Sample Reference	CATP062			CATP062			CATP063			CATP063			CATP064			CATP064		CATP065		
		AGS Reference																				
		Depth (m)	1.00			1.40			0.50			1.30			0.50			1.00		1.00		
		Container	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	60g VOC	250g Amber Jar	400g Tub	60g VOC
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
Anions by Kone (soil)	All	NDPs: 0 Tests: 72	X			X			X			X			X			X		X		
Asbestos Containing Material Screen	All	NDPs: 0 Tests: 50						X			X			X			X				X	
EPH CWG (Aliphatic) GC (S)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
EPH CWG (Aromatic) GC (S)	All	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
GRO by GC-FID (S)	All	NDPs: 0 Tests: 73		X			X			X			X			X			X			X
Metals by iCap-OES (Soil)	Arsenic	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
	Cadmium	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
	Chromium	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
	Copper	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
	Lead	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
	Mercury	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
	Nickel	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
	Selenium	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		
	Vanadium	NDPs: 0 Tests: 73	X			X			X			X			X			X		X		

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

SOLID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			3187448	CATP062		1.00	250g Amber Jar
							60g VOC
			3187449	CATP062		1.40	1kg TUB
							250g Amber Jar
							60g VOC
			3187450	CATP063		0.50	1kg TUB
							250g Amber Jar
							60g VOC
			3187452	CATP063		1.30	1kg TUB
							250g Amber Jar
							60g VOC
			3187454	CATP064		0.50	1kg TUB
							250g Amber Jar
							60g VOC
			3187457	CATP064		1.00	1kg TUB
							250g Amber Jar
							60g VOC
			3187455	CATP065		1.00	250g Amber Jar
							400g Tub
							60g VOC
Metals by iCap-OES (Soil)	Zinc	NDPs: 0 Tests: 73	X		X		X		X		X		X		X	
NO3, NO2 and TON by KONE (s)	All	NDPs: 0 Tests: 73	X		X		X		X		X		X		X	
pH	All	NDPs: 0 Tests: 73		X		X		X		X		X		X		X
Sample description	All	NDPs: 0 Tests: 73	X		X		X		X		X		X		X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 73	X		X		X		X		X		X		X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 73	X		X		X		X		X		X		X	
VOC MS (S)	All	NDPs: 0 Tests: 73		X		X		X		X		X		X		X

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

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
3187361	CATP027	0.30	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3187362	CATP027	1.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	N/A
3187364	CATP027	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3187365	CATP028	0.10	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3187366	CATP028	0.70	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	Stones
3187367	CATP029	0.40	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3187369	CATP029	0.80	Light Brown	Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	None
3187370	CATP029	1.50	Grey	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
3187371	CATP029	2.50	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3187372	CATP030	0.10	Dark Brown	Sand	0.1 - 2 mm	Stones	Crushed Brick
3187373	CATP030	0.80	Grey	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
3187374	CATP030	1.50	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones	Oil/Petroleum
3187375	CATP031	0.20	Black	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Oil/Petroleum
3187376	CATP031	0.60	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	Stones
3187377	CATP031	1.20	Grey	Sandy Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	Stones
3187378	CATP031	2.20	Light Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Oil/Petroleum
3187379	CATP033	0.40	Red	Gravel	2 - 10 mm	Stones	Crushed Brick
3187380	CATP033	0.90	Dark Brown	Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	None
3187381	CATP033	1.50	Light Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Oil/Petroleum
3187424	CATP034	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Concrete/Aggregate
3187422	CATP035	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
3187423	CATP035	1.30	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
3187419	CATP036	0.90	Grey	Sandy Clay	0.1 - 2 mm	Oil/Petroleum	None
3187420	CATP036	1.20	Dark Brown	Sand	0.1 - 2 mm	Stones	Oil/Petroleum
3187421	CATP036	2.70	Grey	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
3187426	CATP041	0.50	Dark Brown	Sand	0.1 - 2 mm	Stones	None
3187427	CATP041	1.10	Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
3187382	CATP043	0.20	Dark Brown	Top Soil	0.063 - 0.1 mm	Stones	None
3187383	CATP043	0.80	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones	Oil/Petroleum
3187428	CATP044	0.60	Dark Brown	Sand	0.1 - 2 mm	Oil/Petroleum	Stones
3187431	CATP044	2.00	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Oil/Petroleum	Stones
3187432	CATP044	3.00	Grey	Sandy Clay	0.1 - 2 mm	Oil/Petroleum	None
3187435	CATP045	1.00	Black	Shale	0.1 - 2 mm	Stones	Oil/Petroleum
3187436	CATP045	1.50	Black	Top Soil	0.1 - 2 mm	Oil/Petroleum	Stones
3187385	CATP046	0.90	Dark Brown	Top Soil	0.063 - 0.1 mm	Stones	Crushed Brick
3187386	CATP046	1.60	Dark Brown	Sand	0.1 - 2 mm	Stones	N/A
3187387	CATP046	3.00	Light Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
3187389	CATP047	1.50	Grey	Sandy Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	Stones

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

			Colour	Description	Grain size	Inclusions	Inclusions 2
3187390	CATP047	2.20	Light Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	Oil/Petroleum
3187392	CATP048	0.70	Light Brown	Sandy Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	Stones
3187394	CATP048	2.30	Orange	Silty Clay Loam	0.063 - 0.1 mm	Stones	Glass
3187395	CATP050	0.30	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	None
3187396	CATP051	0.20	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
3187397	CATP051	0.60	Beige	Loamy Sand	0.1 - 2 mm	Stones	None
3187398	CATP052	0.30	Light Brown	Sandy Silt Loam	0.063 - 0.1 mm	Stones	None
3187438	CATP053	1.00	Light Brown	Silt Loam	0.063 - 0.1 mm	Oil/Petroleum	None
3187439	CATP053	2.00	Light Brown	Sandy Silt Loam	0.1 - 2 mm	Stones	Oil/Petroleum
3187400	CATP054	0.80	Dark Brown	Clay Loam	0.063 - 0.1 mm	Oil/Petroleum	Stones
3187402	CATP054	1.50	Grey	Sand	0.063 - 0.1 mm	Stones	N/A
3187441	CATP055	0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
3187442	CATP055	1.00	Black	Sand	0.1 - 2 mm	Stones	N/A
3187443	CATP055	2.00	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones	N/A
3187445	CATP056	0.20	Dark Brown	Top Soil	0.063 - 0.1 mm	Stones	Vegetation
3187446	CATP056	1.00	Light Brown	Clay	<0.063 mm	Stones	None
3187403	CATP057	0.40	Dark Brown	Loamy Sand	<0.063 mm	Stones	None
3187405	CATP057	2.70	Light Brown	Sand	0.063 - 0.1 mm	Stones	N/A
3187406	CATP058	0.40	Dark Brown	Top Soil	0.063 - 0.1 mm	Stones	Vegetation
3187407	CATP058	0.90	Black	Loamy Sand	0.1 - 2 mm	Ash/Soot	Tar
3187410	CATP058	2.30	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	Oil/Petroleum
3187412	CATP059	1.20	Light Brown	Sandy Loam	0.1 - 2 mm	Stones	None
3187447	CATP062	0.50	Black	Sand	0.1 - 2 mm	Stones	Vegetation
3187448	CATP062	1.00	Grey	Silty Clay	0.063 - 0.1 mm	Stones	N/A
3187449	CATP062	1.40	Grey	Sand	0.063 - 0.1 mm	Stones	Oil/Petroleum
3187450	CATP063	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones	Vegetation
3187452	CATP063	1.30	Light Brown	Top Soil	0.1 - 2 mm	Oil/Petroleum	Vegetation
3187454	CATP064	0.50	Dark Brown	Top Soil	0.063 - 0.1 mm	Stones	Coal fragments
3187457	CATP064	1.00	Light Brown	Sandy Clay	0.1 - 2 mm	Stones	None
3187413	CATP065	0.40	Black	Loamy Sand	0.1 - 2 mm	Stones	Ash/Soot
3187455	CATP065	1.00	Light Brown	Silty Sand	0.063 - 0.1 mm	Stones	None
3187414	CATP066	0.40	Dark Brown	Top Soil	0.1 - 2 mm	Stones	Crushed Brick
3187415	CATP066	0.80	Light Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None
3187416	CATP067	0.50	Dark Brown	Sandy Clay Loam	0.1 - 2 mm	Stones	Vegetation
3187417	CATP067	0.90	Light Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones	None

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

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally 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:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP027	CATP027	CATP027	CATP028	CATP028	CATP029
			Depth (m)	0.30	1.00	2.50	0.10	0.70	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187361	3187362	3187364	3187365	3187366	3187367
			AGS Reference						
Asbestos Containing Material Screen	-	TM001	No ACM Detected	No ACM Detected		No ACM Detected	No ACM Detected	No ACM Detected	
Soil Organic Matter (SOM)	<0.35 %	TM132	4.14 #	2.29 #	0.914 #				
pH	1 pH Units	TM133	7.82 M	6.96 M	6.69 M	8.19 M	6.76 M	7.23 M	
Arsenic	<0.6 mg/kg	TM181	7.2 M	9.47 M	7.44 M	7.94 M	52.7 M	54.4 M	
Cadmium	<0.02 mg/kg	TM181	0.239 M	0.476 M	0.221 M	0.452 M	5.18 M	1.31 M	
Chromium	<0.9 mg/kg	TM181	10.1 M	15.1 M	15.7 M	6.9 M	13 M	10.5 M	
Copper	<1.4 mg/kg	TM181	43.9 M	21.2 M	13.7 M	12.3 M	168 M	170 M	
Lead	<0.7 mg/kg	TM181	64.3 M	20 M	14.3 M	44 M	46.1 M	159 M	
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	0.508 M	<0.14 M	<0.14 M	3.97 M	
Nickel	<0.2 mg/kg	TM181	6.21 M	17.3 M	24.9 M	7.98 M	15.4 M	20.2 M	
Selenium	<1 mg/kg	TM181	2.35 #	<1 #	<1 #	<1 #	<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181	29.3 #	17.3 #	16.3 #	11.9 #	16.2 #	13.4 #	
Zinc	<1.9 mg/kg	TM181	276 M	136 M	62.8 M	148 M	436 M	275 M	
Magnesium	<8 mg/kg	TM224	20100	2070	2430	7360	763	1710	
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243	0.216 M	0.0412 M	0.258 M	0.161 M	<0.008 M	0.184 M	
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243	<1	<1	<1	<1	<1	5.12	

CERTIFICATE OF ANALYSIS

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Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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§	Non-conforming work.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	CATP029	CATP029	CATP029	CATP030	CATP030	CATP030
			Depth (m)	0.80	1.50	2.50	0.10	0.80	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187369	3187370	3187371	3187372	3187373	3187374
			AGS Reference						
Asbestos Containing Material Screen	-	TM001	No ACM Detected			No ACM Detected	No ACM Detected		
Soil Organic Matter (SOM)	<0.35 %	TM132			0.879 #	8.09 #	4.62 #	1.12 #	
pH	1 pH Units	TM133	7.07 M	6.93 M	7.4 M	8.45 M	6.99 M	6.45 M	
Arsenic	<0.6 mg/kg	TM181	17.3 M	5.55 M	7.24 M	8.78 M	6.41 M	6.3 M	
Cadmium	<0.02 mg/kg	TM181	0.377 M	0.384 M	0.224 M	0.655 M	0.631 M	0.336 M	
Chromium	<0.9 mg/kg	TM181	21 M	14.7 M	12.9 M	12.4 M	22.2 M	12.9 M	
Copper	<1.4 mg/kg	TM181	37 M	11.4 M	12.3 M	63.4 M	33.2 M	14.1 M	
Lead	<0.7 mg/kg	TM181	24 M	9.61 M	10.7 M	40 M	26.4 M	11.1 M	
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181	12.5 M	23.5 M	26.7 M	23.1 M	19 M	26.9 M	
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181	23 #	13 #	13.1 #	14.2 #	25.1 #	14 #	
Zinc	<1.9 mg/kg	TM181	50.1 M	59.1 M	59.4 M	40.9 M	71.9 M	64.7 M	
Magnesium	<8 mg/kg	TM224	1430	2890	2360	2460	1940	2270	
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243	<0.008 M	<0.008 M	0.02 M	0.0335 M	0.025 M	<0.008 M	
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243	<1	<1	<1	<1	<1	<1	

CERTIFICATE OF ANALYSIS

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Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP031	CATP031	CATP031	CATP031	CATP033	CATP033
			Depth (m)	0.20	0.60	1.20	2.20	0.40	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187375	3187376	3187377	3187378	3187379	3187380
			AGS Reference						
Asbestos Containing Material Screen	-	TM001	No ACM Detected	No ACM Detected			No ACM Detected	No ACM Detected
Soil Organic Matter (SOM)	<0.35 %	TM132	14.4 #	10.6 #	1.31 #	1.34 #	1.16 #	25.3 #
pH	1 pH Units	TM133	6.72 M	7.49 M	6.68 M	7.35 M	8.47 #	6.85 M
Arsenic	<0.6 mg/kg	TM181	33.2 M	29.8 M	2.75 M	5.19 M	8.31 #	22.4 M
Cadmium	<0.02 mg/kg	TM181	0.791 M	0.864 M	0.101 M	0.256 M	0.138 #	2.2 M
Chromium	<0.9 mg/kg	TM181	12.3 M	16.1 M	16.5 M	13 M	6.1 #	14.4 M
Copper	<1.4 mg/kg	TM181	144 M	62.5 M	6.92 M	11.9 M	16.3 #	580 M
Lead	<0.7 mg/kg	TM181	52.2 M	42.7 M	10.4 M	10.4 M	43.9 #	61.3 M
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 #	0.239 M
Nickel	<0.2 mg/kg	TM181	31.7 M	16.8 M	17.4 M	21.8 M	4.77 #	12.9 M
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #	<1 #	1.05 #	2.4 #
Vanadium	<0.2 mg/kg	TM181	28.1 #	20.6 #	17.9 #	13.1 #	7.34 #	16.6 #
Zinc	<1.9 mg/kg	TM181	103 M	89.7 M	35.5 M	51.9 M	200 #	252 M
Magnesium	<8 mg/kg	TM224	1490	2020	2370	2520	21900	5700
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243	0.14 M	0.0121 M	<0.008 M	<0.008 M	0.088 #	2.18 M
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243	<1	<1	<1	<1	<1	<1

CERTIFICATE OF ANALYSIS

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Results Legend

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§	Non-conforming work.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample R	CATP033	CATP034	CATP035	CATP035	CATP036	CATP036
			Depth (m)	1.50	0.50	0.50	1.30	0.90	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187381	3187424	3187422	3187423	3187419	3187420
			AGS Reference						
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected		No ACM Detected	
Soil Organic Matter (SOM)	<0.35 %	TM132	1.91 #	12.1 #	6.72 #			
pH	1 pH Units	TM133	6.66 M	8.46 M	7.8 M	7.28 M	6.52 M	6.48 M
Arsenic	<0.6 mg/kg	TM181	3.13 M	165 M	24.4 M	65.7 M	10.5 M	62.9 M
Cadmium	<0.02 mg/kg	TM181	0.136 M	2.46 M	0.637 M	1.55 M	0.457 M	0.595 M
Chromium	<0.9 mg/kg	TM181	17.1 M	23.7 M	22.6 M	17.2 M	15.2 M	16.5 M
Copper	<1.4 mg/kg	TM181	15 M	2870 M	56.2 M	222 M	24.2 M	93.6 M
Lead	<0.7 mg/kg	TM181	13.6 M	1380 M	326 M	291 M	30.2 M	38.2 M
Mercury	<0.14 mg/kg	TM181	<0.14 M	0.169 M	0.547 M	1 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181	22.9 M	109 M	28.9 M	28.4 M	17.5 M	45.9 M
Selenium	<1 mg/kg	TM181	<1 #	<10 #	<1 #	1.28 #	<1 #	1.08 #
Vanadium	<0.2 mg/kg	TM181	19.3 #	35.9 #	16.9 #	22.3 #	17.4 #	45 #
Zinc	<1.9 mg/kg	TM181	59.5 M	4370 M	312 M	198 M	70.7 M	57.8 M
Magnesium	<8 mg/kg	TM224	3020	2980	6600	1710	1900	1460
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243	<0.008 M	0.0794 M	0.105 M	0.0541 M	<0.008 M	0.161 M
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243	<1	27.4	<1	<1	<1	<1

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP036	CATP041	CATP041	CATP043	CATP043	CATP044
			Depth (m)	2.70	0.50	1.10	0.20	0.80	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187421	3187426	3187427	3187382	3187383	3187428
			AGS Reference						
Asbestos Containing Material Screen	-	TM001			No ACM Detected		No ACM Detected	No ACM Detected	No ACM Detected
pH	1 pH Units	TM133		6.46 M	7.59 M	5.89 M	8.6 M	8.24 M	8.37 M
PCB congener 118	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 81	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 77	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 123	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 114	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 105	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 126	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 167	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 156	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 157	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 169	<3 µg/kg	TM168			<3 M	<3 M			
PCB congener 189	<3 µg/kg	TM168			<3 M	<3 M			
PCBs, Total WHO 12	<3 µg/kg	TM168			<3	<3			
Arsenic	<0.6 mg/kg	TM181		10.7 M	20.3 M	144 M	8.04 M	18 M	13.5 M
Cadmium	<0.02 mg/kg	TM181		0.437 M	1.36 M	1.17 M	1.42 M	0.584 M	0.587 M
Chromium	<0.9 mg/kg	TM181		13.1 M	22.1 M	16.3 M	317 M	17.2 M	10.8 M
Copper	<1.4 mg/kg	TM181		25.6 M	125 M	369 M	33.3 M	51.9 M	58.7 M
Lead	<0.7 mg/kg	TM181		17.3 M	57.7 M	170 M	75.8 M	60.8 M	54.3 M
Mercury	<0.14 mg/kg	TM181		0.241 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		20.9 M	63.7 M	32 M	21.2 M	16.9 M	10.6 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.51 #	<10 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		16.8 #	52 #	26.5 #	234 #	17.5 #	13.8 #
Zinc	<1.9 mg/kg	TM181		69.3 M	152 M	181 M	135 M	186 M	285 M
Magnesium	<8 mg/kg	TM224		1920	1710	1370	9550	3330	3610
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243		<0.008 M	0.0449 M	0.0497 M	0.0518 M	0.219 M	0.0328 M
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243		<1	31.5	<1	1.16	<1	2.38

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP044	CATP044	CATP045	CATP045	CATP046	CATP046
			Depth (m)	2.00	3.00	1.00	1.50	0.90	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187431	3187432	3187435	3187436	3187385	3187386
			AGS Reference						
Asbestos Containing Material Screen	-	TM001						No ACM Detected	
Sulphate, 2:1 water soluble	<0.002 g/l	TM019		0.0641 M					
Soil Organic Matter (SOM)	<0.35 %	TM132							2.45 #
pH	1 pH Units	TM133	6.29 M	10 M	5.37 #	6.34 M	8.19 M	6.08 M	
Arsenic	<0.6 mg/kg	TM181	149 M	3.57 M	56.2 #	72 M	31.5 M	6.43 M	
Cadmium	<0.02 mg/kg	TM181	0.879 M	0.3 M	0.365 #	0.468 M	0.55 M	0.203 M	
Chromium	<0.9 mg/kg	TM181	11.1 M	21.2 M	8.04 #	9.15 M	18.1 M	16.9 M	
Copper	<1.4 mg/kg	TM181	399 M	12.3 M	78 #	178 M	103 M	16.1 M	
Lead	<0.7 mg/kg	TM181	141 M	21 M	57 #	65.3 M	132 M	13 M	
Mercury	<0.14 mg/kg	TM181	0.237 M	<0.14 M	0.218 #	0.261 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181	39.3 M	17.8 M	34.8 #	27 M	56 M	31.4 M	
Selenium	<1 mg/kg	TM181	4.14 #	<1 #	4.25 #	5.65 #	<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181	18.1 #	19.4 #	16.8 #	18.3 #	45.2 #	18.2 #	
Zinc	<1.9 mg/kg	TM181	239 M	71.4 M	101 #	157 M	348 M	64.3 M	
Magnesium	<8 mg/kg	TM224	1080	2760	2090	990	2280	2810	
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243	0.0745 M		0.0908 #	0.0441 M	0.067 M	0.0132 M	
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243	<1	<1	<1	2.18	10.9	<1	

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP046	CATP047	CATP047	CATP048	CATP048	CATP050
			Depth (m)	3.00	1.50	2.20	0.70	2.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187387	3187389	3187390	3187392	3187394	3187395
			AGS Reference						
Asbestos Containing Material Screen	-	TM001		No ACM Detected		No ACM Detected		No ACM Detected	
Soil Organic Matter (SOM)	<0.35 %	TM132	1.24 #		1.24 #				
pH	1 pH Units	TM133	6.82 M	6.48 M	6.15 M	6.63 M	6.34 M	7.87 M	
Arsenic	<0.6 mg/kg	TM181	9.34 M	5.24 M	6.83 M	7.12 M	9.22 M	23.1 M	
Cadmium	<0.02 mg/kg	TM181	0.116 M	0.197 M	0.319 M	0.549 M	0.476 M	1.04 M	
Chromium	<0.9 mg/kg	TM181	13.4 M	14.8 M	14.1 M	13.5 M	17.9 M	16.8 M	
Copper	<1.4 mg/kg	TM181	7.96 M	18.8 M	13.1 M	18.3 M	18.4 M	57.1 M	
Lead	<0.7 mg/kg	TM181	11.5 M	12.5 M	12.9 M	15.9 M	13.8 M	48.7 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	32.6 M	16.9 M	26.5 M	21.5 M	24.4 M	26.2 M	
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181	13.4 #	15.5 #	12.9 #	14.8 #	21.8 #	23.6 #	
Zinc	<1.9 mg/kg	TM181	59.8 M	31.7 M	90 M	69.5 M	60.7 M	140 M	
Magnesium	<8 mg/kg	TM224	1320	2240	1650	2170	2030	2410	
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243	0.0113 M	<0.008 M	0.0091 M	0.0132 M	<0.008 M	<0.008 M	
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243	<1	<1	<1	<1	<1	3.98	

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP051	CATP051	CATP052	CATP054	CATP054	CATP057
			Depth (m)	0.20	0.60	0.30	0.80	1.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187396	3187397	3187398	3187400	3187402	3187403
			AGS Reference						
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected		No ACM Detected
pH	1 pH Units	TM133		8.13 M	7.67 M	6.78 M	6.98 M	7.04 M	8.39 M
Arsenic	<0.6 mg/kg	TM181		28.8 M	14.5 M	31.9 M	13.3 M	3.71 M	22.4 M
Cadmium	<0.02 mg/kg	TM181		1.16 M	0.501 M	1.06 M	0.46 M	0.296 M	0.544 M
Chromium	<0.9 mg/kg	TM181		18.9 M	26.9 M	17.8 M	27 M	22.1 M	13.6 M
Copper	<1.4 mg/kg	TM181		102 M	67.1 M	75.4 M	30.5 M	12.3 M	92 M
Lead	<0.7 mg/kg	TM181		95.8 M	76.8 M	31.1 M	21.6 M	4.11 M	108 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		25.9 M	37.4 M	22.7 M	26.8 M	38.2 M	17.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.29 #	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		30.8 #	17.1 #	20 #	19.4 #	13.5 #	17.3 #
Zinc	<1.9 mg/kg	TM181		232 M	324 M	173 M	69.4 M	55.1 M	307 M
Magnesium	<8 mg/kg	TM224		2260	3010	1300	2250	3600	1860
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243		0.0097 M	0.0946 M	0.0216 M	0.0406 M	0.0091 M	0.0207 M
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243		2.98	<1	2.89	<1	<1	2

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP057	CATP058	CATP058	CATP058	CATP059	CATP059
			Depth (m)	2.70	0.40	0.90	2.30	0.70	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187405	3187406	3187407	3187410	3187411	3187412
			AGS Reference						
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected		Possible ACM Det	
pH	1 pH Units	TM133	7.46 M	8.51 M	8.12 M	7.1 M		7.59 M
Arsenic	<0.6 mg/kg	TM181	9.33 M	42.6 M	28 M	9.98 M		8.99 M
Cadmium	<0.02 mg/kg	TM181	0.382 M	1.44 M	1.92 M	0.741 M		0.429 M
Chromium	<0.9 mg/kg	TM181	16.9 M	39.3 M	18.3 M	12.4 M		14 M
Copper	<1.4 mg/kg	TM181	17 M	222 M	120 M	24.5 M		19.4 M
Lead	<0.7 mg/kg	TM181	19 M	625 M	122 M	18.1 M		14.7 M
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	<0.14 M	<0.14 M		<0.14 M
Nickel	<0.2 mg/kg	TM181	31.4 M	30.8 M	37.8 M	24.1 M		23.7 M
Selenium	<1 mg/kg	TM181	<1 #	1.49 #	1.35 #	<5 #		<1 #
Vanadium	<0.2 mg/kg	TM181	18.4 #	34.3 #	40 #	16.9 #		13.7 #
Zinc	<1.9 mg/kg	TM181	88.3 M	2080 M	547 M	84 M		72.1 M
Magnesium	<8 mg/kg	TM224	2280	1980	1590	1770		2690
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243	0.0131 M	0.0356 M	0.122 M	0.0175 M		0.0465 M
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243	<1	4.21	<1	<1		<1

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP064	CATP065	CATP066	CATP066	CATP067
			Depth (m)	0.50	0.40	0.40	0.80	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187454	3187413	3187414	3187415	3187416
			AGS Reference					
Asbestos Containing Material Screen	-	TM001			No ACM Detected	No ACM Detected	No ACM Detected	No ACM Detected
pH	1 pH Units	TM133			8.81 M	7.8 M	7.16 M	7.57 M
Arsenic	<0.6 mg/kg	TM181			10.4 M	24.1 M	8.03 M	
Cadmium	<0.02 mg/kg	TM181			0.522 M	1.07 M	0.209 M	
Chromium	<0.9 mg/kg	TM181			11.8 M	14.8 M	11.2 M	
Copper	<1.4 mg/kg	TM181			32.1 M	69.7 M	10.6 M	
Lead	<0.7 mg/kg	TM181			25.1 M	480 M	12.5 M	
Mercury	<0.14 mg/kg	TM181			<0.14 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181			25.9 M	30.3 M	19 M	
Selenium	<1 mg/kg	TM181			<1 #	<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181			18.7 #	24.2 #	11.7 #	
Zinc	<1.9 mg/kg	TM181			115 M	201 M	51.3 M	
Magnesium	<8 mg/kg	TM224		2450	3570	3140	1910	
Water Soluble Sulphate as SO4 2:1 Extract	<0.008 g/l	TM243			0.0299 M	0.0382 M	<0.008 M	
Nitrate as NO3, 2:1 water soluble	<1 mg/kg	TM243			<1	<1	<1	

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

GRO by GC-FID (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP062	CATP062	CATP063	CATP064	CATP067
			Depth (m)	0.50	1.00	1.30	0.50	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187447	3187448	3187452	3187454	3187416
			AGS Reference					
GRO Surrogate % recovery**	%	TM089		70	139 §	128	21	14
GRO >C5-C12	<44 µg/kg	TM089		166000	2030000 §	433000	304	3680
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<25 #	<50 §	<50 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<50 M	1580 §	<100 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<10 M	<20 §	<20 M	3.72 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<15 M	<30 §	<30 M	8.68 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<30 M	<60 §	<60 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<15 M	<30 §	<30 M	<3 M	<3 M
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10 §	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	1580 §	<10	12.4	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		57.6	20600 §	611	18.6	11.6
Aliphatics >C6-C8	<10 µg/kg	TM089		6120	515000 §	36300	69.4	318
Aliphatics >C8-C10	<10 µg/kg	TM089		34300	618000 §	91900	64.5	548
Aliphatics >C10-C12	<10 µg/kg	TM089		61300	280000 §	146000	54.6	1460
Aromatics >EC5-EC7	<10 µg/kg	TM089		<50	1580 §	<100	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<50	<100 §	<100	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		22900	412000 §	61200	54.6	364
Aromatics >EC10-EC12	<10 µg/kg	TM089		40900	187000 §	97100	37.2	977

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP027	CATP027	CATP027	CATP028	CATP028	CATP029
			Depth (m)	0.30	1.00	2.50	0.10	0.70	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187361	3187362	3187364	3187365	3187366	3187367
			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	<200	<100	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		2250	<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		720	<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	750
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:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP027	CATP027	CATP027	CATP028	CATP028	CATP029
			Depth (m)	0.30	1.00	2.50	0.10	0.70	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187361	3187362	3187364	3187365	3187366	3187367
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	264	295
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	120
Benzo(a)anthracene	<100 µg/kg	TM157		219	<100	<100	<100	<100	494
Benzo(b)fluoranthene	<100 µg/kg	TM157		171	<100	<100	<100	<100	557
Benzo(k)fluoranthene	<100 µg/kg	TM157		179	<100	<100	<100	<100	485
Benzo(a)pyrene	<100 µg/kg	TM157		193	<100	<100	<100	<100	532
Benzo(g,h,i)perylene	<100 µg/kg	TM157		155	<100	<100	<100	<100	402
Chrysene	<100 µg/kg	TM157		303	<100	<100	185	<100	723
Fluoranthene	<100 µg/kg	TM157		384	<100	<100	<100	<100	977
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	155
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		143	<100	<100	<100	<100	363
Phenanthrene	<100 µg/kg	TM157		342	<100	<100	<100	<100	626
Pyrene	<100 µg/kg	TM157		397	<100	<100	139	<100	914
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	252
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	118

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP029	CATP029	CATP029	CATP030	CATP030	CATP030
			Depth (m)	0.80	1.50	2.50	0.10	0.80	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187369	3187370	3187371	3187372	3187373	3187374
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<200	<100	<100	<200	<100	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100	<100	228	<100	<100
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP029	CATP029	CATP029	CATP030	CATP030	CATP030
			Depth (m)	0.80	1.50	2.50	0.10	0.80	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187369	3187370	3187371	3187372	3187373	3187374
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP031	CATP031	CATP031	CATP031	CATP033	CATP033
			Depth (m)	0.20	0.60	1.20	2.20	0.40	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187375	3187376	3187377	3187378	3187379	3187380
			AGS Reference						
Phenol	<100 ug/kg	TM157		186	<100	<100	<100	<100	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 ug/kg	TM157		<100	<100	<100	<100	<100	760
Carbazole	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 ug/kg	TM157		236	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	395

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP031	CATP031	CATP031	CATP031	CATP033	CATP033
			Depth (m)	0.20	0.60	1.20	2.20	0.40	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187375	3187376	3187377	3187378	3187379	3187380
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		577	408	<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		349	<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	358
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	256
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	608
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	403
Fluorene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	1300
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		292	<100	<100	<100	<100	3730
Pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	823
Naphthalene	<100 µg/kg	TM157		411	<100	<100	<100	<100	326
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP033	CATP034	CATP035	CATP035	CATP036	CATP036
			Depth (m)	1.50	0.50	0.50	1.30	0.90	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187381	3187424	3187422	3187423	3187419	3187420
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100	135	<100	<100	265
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100	<200	<100	<100	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100	230	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	406	<100	390

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	CATP033	CATP034	CATP035	CATP035	CATP036	CATP036
			Depth (m)	1.50	0.50	0.50	1.30	0.90	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187381	3187424	3187422	3187423	3187419	3187420
			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	118	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	1670	2510	<100	1200
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	153
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	196	246	451	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	249	296	296	<100	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	209	258	220	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	228	310	317	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	201	251	245	<100	<100
Chrysene	<100 µg/kg	TM157		<100	314	349	1480	<100	<100
Fluoranthene	<100 µg/kg	TM157		<100	310	509	439	<100	<100
Fluorene	<100 µg/kg	TM157		<100	<100	<100	240	<100	218
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	176	228	205	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	287	332	984	<100	<100
Pyrene	<100 µg/kg	TM157		<100	271	446	1300	<100	<100
Naphthalene	<100 µg/kg	TM157		<100	<100	1220	661	<100	2460
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP036	CATP041	CATP041	CATP043	CATP043	CATP044
			Depth (m)	2.70	0.50	1.10	0.20	0.80	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187421	3187426	3187427	3187382	3187383	3187428
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 ug/kg	TM157		221	<100	<100	<100	<100	<100
Carbazole	<100 ug/kg	TM157		<100	<100	<100	133	<100	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 ug/kg	TM157		510	<100	<100	<100	<100	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		276	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP036	CATP041	CATP041	CATP043	CATP043	CATP044
			Depth (m)	2.70	0.50	1.10	0.20	0.80	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187421	3187426	3187427	3187382	3187383	3187428
			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		13700	<100	211	260	<100	135
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		119	<100	<100	122	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	242	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	204	383	1270	451	522
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	219	259	1410	482	551
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	201	336	1140	350	459
Benzo(a)pyrene	<100 µg/kg	TM157		<100	223	350	1390	429	576
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	171	229	1080	278	426
Chrysene	<100 µg/kg	TM157		<100	294	466	1440	541	618
Fluoranthene	<100 µg/kg	TM157		<100	470	776	1750	690	811
Fluorene	<100 µg/kg	TM157		278	<100	<100	115	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	151	194	976	260	379
Phenanthrene	<100 µg/kg	TM157		213	355	487	898	412	352
Pyrene	<100 µg/kg	TM157		<100	393	592	1380	612	640
Naphthalene	<100 µg/kg	TM157		5020	<100	<100	162	<100	116
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	287	<100	109

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP044	CATP044	CATP045	CATP045	CATP046	CATP046
			Depth (m)	2.00	3.00	1.00	1.50	0.90	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187431	3187432	3187435	3187436	3187385	3187386
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 ug/kg	TM157		<100	<100	459	1130	<100	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 ug/kg	TM157		494	<100	462	587	<100	<100
Carbazole	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		1460	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP044	CATP044	CATP045	CATP045	CATP046	CATP046
			Depth (m)	2.00	3.00	1.00	1.50	0.90	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187431	3187432	3187435	3187436	3187385	3187386
			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		3330	423	7680	4070	1730	129
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		764	<100	486	820	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	135	<100
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	243	215	181	<100
Fluoranthene	<100 µg/kg	TM157		368	<100	250	366	180	<100
Fluorene	<100 µg/kg	TM157		650	<100	489	803	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		1080	<100	1320	1020	470	126
Pyrene	<100 µg/kg	TM157		302	<100	275	335	139	<100
Naphthalene	<100 µg/kg	TM157		2000	130	4010	5890	1270	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP046	CATP047	CATP047	CATP048	CATP048	CATP050
			Depth (m)	3.00	1.50	2.20	0.70	2.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187387	3187389	3187390	3187392	3187394	3187395
			AGS Reference						
Phenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Pentachlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Nitrobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Isophorone	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachloroethane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Carbazole	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Butylbenzyl phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethoxy)methane	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Chloroethyl)ether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
Azobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitrophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chlorophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Chloro-3-methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
4-Bromophenylphenylether	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
3-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Nitrophenol	<100 ug/kg	TM157		<100	<100	569	<100	<100	<100
2-Nitroaniline	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylphenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chlorophenol	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,6-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	<100 ug/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP046	CATP047	CATP047	CATP048	CATP048	CATP050
			Depth (m)	3.00	1.50	2.20	0.70	2.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187387	3187389	3187390	3187392	3187394	3187395
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		<100	<100	<100	<100	350	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	144
Benzo(b)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	170
Benzo(k)fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	130
Benzo(a)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	137
Benzo(g,h,i)perylene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Chrysene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	214
Fluoranthene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	223
Fluorene	<100 µg/kg	TM157		<100	<100	115	<100	155	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Phenanthrene	<100 µg/kg	TM157		<100	<100	365	<100	342	169
Pyrene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	191
Naphthalene	<100 µg/kg	TM157		<100	<100	200	<100	162	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP051	CATP051	CATP052	CATP054	CATP054	CATP057
			Depth (m)	0.20	0.60	0.30	0.80	1.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187396	3187397	3187398	3187400	3187402	3187403
			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	<200	<200	<200	<100	<200
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		<100	<100	<100	1670	446	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<100	131	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	202	<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	720	196	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP051	CATP051	CATP052	CATP054	CATP054	CATP057
			Depth (m)	0.20	0.60	0.30	0.80	1.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187396	3187397	3187398	3187400	3187402	3187403
			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		120	<100	<100	293	281	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<100	912	235	<100
Acenaphthene	<100 µg/kg	TM157		<100	<100	<100	2170	757	<100
Anthracene	<100 µg/kg	TM157		<100	<100	<100	2230	434	<100
Benzo(a)anthracene	<100 µg/kg	TM157		494	199	<100	506	<100	433
Benzo(b)fluoranthene	<100 µg/kg	TM157		522	271	<100	<100	<100	448
Benzo(k)fluoranthene	<100 µg/kg	TM157		418	187	<100	<100	<100	313
Benzo(a)pyrene	<100 µg/kg	TM157		461	208	<100	212	<100	425
Benzo(g,h,i)perylene	<100 µg/kg	TM157		305	134	<100	<100	<100	252
Chrysene	<100 µg/kg	TM157		593	249	<100	830	143	438
Fluoranthene	<100 µg/kg	TM157		703	320	<100	682	123	651
Fluorene	<100 µg/kg	TM157		<100	<100	<100	5240	1500	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		281	137	<100	<100	<100	265
Phenanthrene	<100 µg/kg	TM157		402	158	<100	14300	3710	448
Pyrene	<100 µg/kg	TM157		584	302	<100	4310	893	492
Naphthalene	<100 µg/kg	TM157		<100	<100	<100	464	304	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	<100	<100	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP057	CATP058	CATP058	CATP058	CATP059	CATP065
			Depth (m)	2.70	0.40	0.90	2.30	1.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187405	3187406	3187407	3187410	3187412	3187413
			AGS Reference						
Phenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	122
Pentachlorophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Nitrobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Isophorone	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Hexachloroethane	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<100	<200	<400	<100	<100	<100
Hexachlorobutadiene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Hexachlorobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
n-Dioctyl phthalate	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Dimethyl phthalate	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Diethyl phthalate	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
n-Dibutyl phthalate	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Dibenzofuran	<100 µg/kg	TM157		208	<100	<200	821	<100	<100
Carbazole	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Butylbenzyl phthalate	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		<100	<100	<200	<100	<100	973
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
Azobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
4-Nitrophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
4-Nitroaniline	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
4-Methylphenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
4-Chlorophenylphenylether	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
4-Chloroaniline	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
4-Bromophenylphenylether	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
3-Nitroaniline	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2-Nitrophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2-Nitroaniline	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2-Methylphenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2-Chlorophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2,6-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2,4-Dinitrotoluene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	CATP057	CATP058	CATP058	CATP058	CATP059	CATP065
			Depth (m)	2.70	0.40	0.90	2.30	1.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187405	3187406	3187407	3187410	3187412	3187413
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2,4-Dichlorophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
1,4-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
1,3-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
1,2-Dichlorobenzene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2-Chloronaphthalene	<100 µg/kg	TM157		<100	<100	<200	<100	<100	<100
2-Methylnaphthalene	<100 µg/kg	TM157		124	118	589	693	<100	<100
Acenaphthylene	<100 µg/kg	TM157		<100	<100	<200	484	<100	<100
Acenaphthene	<100 µg/kg	TM157		300	<100	<200	1380	<100	<100
Anthracene	<100 µg/kg	TM157		205	158	<200	923	<100	<100
Benzo(a)anthracene	<100 µg/kg	TM157		403	852	<200	213	<100	<100
Benzo(b)fluoranthene	<100 µg/kg	TM157		307	904	<200	<100	<100	195
Benzo(k)fluoranthene	<100 µg/kg	TM157		302	662	<200	<100	<100	146
Benzo(a)pyrene	<100 µg/kg	TM157		345	899	<200	<100	<100	175
Benzo(g,h,i)perylene	<100 µg/kg	TM157		186	528	<200	<100	<100	156
Chrysene	<100 µg/kg	TM157		515	828	292	370	<100	155
Fluoranthene	<100 µg/kg	TM157		638	1260	447	298	<100	121
Fluorene	<100 µg/kg	TM157		558	<100	<200	2730	<100	<100
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		169	532	<200	<100	<100	120
Phenanthrene	<100 µg/kg	TM157		1530	658	278	7020	<100	172
Pyrene	<100 µg/kg	TM157		940	1040	586	1400	<100	121
Naphthalene	<100 µg/kg	TM157		313	118	359	714	<100	<100
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<100	161	<200	<100	<100	<100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP066	CATP066				
			Depth (m)	0.40	0.80				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	29/03/2011	29/03/2011				
			Date Received	30/03/2011	30/03/2011				
			SDG Ref	110330-44	110330-44				
			Lab Sample No.(s)	3187414	3187415				
			AGS Reference						
Phenol	<100 µg/kg	TM157		<200	<100				
Pentachlorophenol	<100 µg/kg	TM157		<200	<100				
n-Nitroso-n-dipropylamine	<100 µg/kg	TM157		<200	<100				
Nitrobenzene	<100 µg/kg	TM157		<200	<100				
Isophorone	<100 µg/kg	TM157		<200	<100				
Hexachloroethane	<100 µg/kg	TM157		<200	<100				
Hexachlorocyclopentadiene	<100 µg/kg	TM157		<400	<200				
Hexachlorobutadiene	<100 µg/kg	TM157		<200	<100				
Hexachlorobenzene	<100 µg/kg	TM157		<200	<100				
n-Dioctyl phthalate	<100 µg/kg	TM157		<200	<100				
Dimethyl phthalate	<100 µg/kg	TM157		<200	<100				
Diethyl phthalate	<100 µg/kg	TM157		<200	<100				
n-Dibutyl phthalate	<100 µg/kg	TM157		<200	<100				
Dibenzofuran	<100 µg/kg	TM157		<200	<100				
Carbazole	<100 µg/kg	TM157		<200	<100				
Butylbenzyl phthalate	<100 µg/kg	TM157		<200	<100				
bis(2-Ethylhexyl) phthalate	<100 µg/kg	TM157		383	<100				
bis(2-Chloroethoxy)methane	<100 µg/kg	TM157		<200	<100				
bis(2-Chloroethyl)ether	<100 µg/kg	TM157		<200	<100				
Azobenzene	<100 µg/kg	TM157		<200	<100				
4-Nitrophenol	<100 µg/kg	TM157		<200	<100				
4-Nitroaniline	<100 µg/kg	TM157		<200	<100				
4-Methylphenol	<100 µg/kg	TM157		<200	<100				
4-Chlorophenylphenylether	<100 µg/kg	TM157		<200	<100				
4-Chloroaniline	<100 µg/kg	TM157		<200	<100				
4-Chloro-3-methylphenol	<100 µg/kg	TM157		<200	<100				
4-Bromophenylphenylether	<100 µg/kg	TM157		<200	<100				
3-Nitroaniline	<100 µg/kg	TM157		<200	<100				
2-Nitrophenol	<100 µg/kg	TM157		<200	<100				
2-Nitroaniline	<100 µg/kg	TM157		<200	<100				
2-Methylphenol	<100 µg/kg	TM157		<200	<100				
1,2,4-Trichlorobenzene	<100 µg/kg	TM157		<200	<100				
2-Chlorophenol	<100 µg/kg	TM157		<200	<100				
2,6-Dinitrotoluene	<100 µg/kg	TM157		<200	<100				
2,4-Dinitrotoluene	<100 µg/kg	TM157		<200	<100				

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Semi Volatile Organic Compounds

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

Component	LOD/Units	Method	Customer Sample R	CATP066	CATP066				
			Depth (m)	0.40	0.80				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	29/03/2011	29/03/2011				
			Date Received	30/03/2011	30/03/2011				
			SDG Ref	110330-44	110330-44				
			Lab Sample No.(s)	3187414	3187415				
			AGS Reference						
2,4-Dimethylphenol	<100 µg/kg	TM157		<200	<100				
2,4-Dichlorophenol	<100 µg/kg	TM157		<200	<100				
2,4,6-Trichlorophenol	<100 µg/kg	TM157		<200	<100				
2,4,5-Trichlorophenol	<100 µg/kg	TM157		<200	<100				
1,4-Dichlorobenzene	<100 µg/kg	TM157		<200	<100				
1,3-Dichlorobenzene	<100 µg/kg	TM157		<200	<100				
1,2-Dichlorobenzene	<100 µg/kg	TM157		<200	<100				
2-Chloronaphthalene	<100 µg/kg	TM157		<200	<100				
2-Methylnaphthalene	<100 µg/kg	TM157		291	<100				
Acenaphthylene	<100 µg/kg	TM157		<200	<100				
Acenaphthene	<100 µg/kg	TM157		<200	<100				
Anthracene	<100 µg/kg	TM157		<200	<100				
Benzo(a)anthracene	<100 µg/kg	TM157		471	<100				
Benzo(b)fluoranthene	<100 µg/kg	TM157		530	<100				
Benzo(k)fluoranthene	<100 µg/kg	TM157		380	<100				
Benzo(a)pyrene	<100 µg/kg	TM157		637	<100				
Benzo(g,h,i)perylene	<100 µg/kg	TM157		375	<100				
Chrysene	<100 µg/kg	TM157		908	<100				
Fluoranthene	<100 µg/kg	TM157		693	<100				
Fluorene	<100 µg/kg	TM157		<200	<100				
Indeno(1,2,3-cd)pyrene	<100 µg/kg	TM157		323	<100				
Phenanthrene	<100 µg/kg	TM157		504	<100				
Pyrene	<100 µg/kg	TM157		1000	<100				
Naphthalene	<100 µg/kg	TM157		<200	<100				
Dibenzo(a,h)anthracene	<100 µg/kg	TM157		<200	<100				

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP027	CATP027	CATP027	CATP028	CATP028	CATP029
			Depth (m)	0.30	1.00	2.50	0.10	0.70	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187361	3187362	3187364	3187365	3187366	3187367
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		38	65	100	72	106	100
GRO >C5-C12	<44 µg/kg	TM089		4260	7630	1410	24100	81500	116000
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<5 #	<25 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	13.4 M	129 M	<50 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	<2 M	<2 M	<10 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<15 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<6 M	<6 M	<30 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<3 M	<15 M
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	<10	13.4	129	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		37.4	46.8	24.5	68	2980	128
Aliphatics >C6-C8	<10 µg/kg	TM089		352	722	184	5750	58700	1990
Aliphatics >C8-C10	<10 µg/kg	TM089		1230	1630	321	6910	9550	21200
Aliphatics >C10-C12	<10 µg/kg	TM089		1090	2490	401	4080	2270	46900
Aliphatics >C12-C16	<100 µg/kg	TM173		62400	38500	7820	155000	29600	165000
Aliphatics >C16-C21	<100 µg/kg	TM173		533000	8850	<100	115000	8890	105000
Aliphatics >C21-C35	<100 µg/kg	TM173		1440000	28200	<100	376000	39900	182000
Aliphatics >C35-C44	<100 µg/kg	TM173		201000	5440	<100	38100	2910	38000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		2240000	81000	7820	683000	81400	489000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	13.4	129	<50
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<50
Aromatics >EC8-EC10	<10 µg/kg	TM089		821	1080	214	4610	6360	14100
Aromatics >EC10-EC12	<10 µg/kg	TM089		728	1660	267	2720	1520	31300
Aromatics >EC12-EC16	<100 µg/kg	TM173		23000	7410	32700	23600	25000	62100
Aromatics >EC16-EC21	<100 µg/kg	TM173		244000	3860	41600	60500	10900	66700
Aromatics >EC21-EC35	<100 µg/kg	TM173		708000	21300	38300	210000	153000	190000
Aromatics >EC35-EC44	<100 µg/kg	TM173		159000	8790	11200	39000	97600	58900
Aromatics >EC40-EC44	<100 µg/kg	TM173		58100	3220	3500	14400	13100	22300
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1130000	41300	124000	333000	287000	378000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3370000	130000	133000	1040000	450000	982000
Total Aliphatics >C5-35	<100 µg/kg	TM173		2040000	80400	8750	662000	152000	521000
Total Aromatics >C5-35	<100 µg/kg	TM173		976000	35300	113000	301000	197000	364000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		3010000	116000	122000	963000	349000	886000

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP029	CATP029	CATP029	CATP030	CATP030	CATP030
			Depth (m)	0.80	1.50	2.50	0.10	0.80	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187369	3187370	3187371	3187372	3187373	3187374
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		61	57	94	55	111	107
GRO >C5-C12	<44 µg/kg	TM089		36900	9510	3630	3500	195000	337
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<5 #	<100 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	<10 M	<200 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<2 M	<2 M	10.3 M	<40 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<60 M	4.6 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	28.6 M	<120 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<3 M	<60 M	<3 M
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	28.6	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	<10	<10	38.9	<10	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		159	47.8	18.7	11.4	1590	20.7
Aliphatics >C6-C8	<10 µg/kg	TM089		4510	3190	100	67.5	13700	120
Aliphatics >C8-C10	<10 µg/kg	TM089		9010	2800	928	934	55500	58.7
Aliphatics >C10-C12	<10 µg/kg	TM089		10300	959	1180	1090	52600	54.1
Aliphatics >C12-C16	<100 µg/kg	TM173		94700	4900	12500	7530	42800	13300
Aliphatics >C16-C21	<100 µg/kg	TM173		16200	1830	<100	6850	8630	7710
Aliphatics >C21-C35	<100 µg/kg	TM173		63200	819	<100	25300	41000	8160
Aliphatics >C35-C44	<100 µg/kg	TM173		1050	154	<100	4880	285	808
Total Aliphatics >C12-C44	<100 µg/kg	TM173		175000	7710	12500	44600	92600	30000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	<10	<200	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	10.3	<200	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		6010	1870	618	651	37000	47.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		6890	639	785	729	35100	35.7
Aromatics >EC12-EC16	<100 µg/kg	TM173		52000	7480	11700	5510	30100	13200
Aromatics >EC16-EC21	<100 µg/kg	TM173		14200	4360	9260	6320	10200	9190
Aromatics >EC21-EC35	<100 µg/kg	TM173		127000	5710	14200	20900	197000	6200
Aromatics >EC35-EC44	<100 µg/kg	TM173		34400	3970	5620	11200	31200	<100
Aromatics >EC40-EC44	<100 µg/kg	TM173		8760	1320	1970	4560	10700	<100
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		228000	21500	40800	43900	268000	28600
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		440000	38700	56900	92000	556000	58900
Total Aliphatics >C5-35	<100 µg/kg	TM173		198000	14500	14700	41800	216000	29400
Total Aromatics >C5-35	<100 µg/kg	TM173		206000	20100	36600	34100	309000	28600
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		404000	34600	51300	75900	525000	58100

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP031	CATP031	CATP031	CATP031	CATP033	CATP033
			Depth (m)	0.20	0.60	1.20	2.20	0.40	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187375	3187376	3187377	3187378	3187379	3187380
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		250 §	145	112	94	74	96
GRO >C5-C12	<44 µg/kg	TM089		2620000 §	267000	352	950	81.7	1490000
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<50 §	<50 #	<5 #	<5 #	<5 #	<100 #
Benzene	<10 µg/kg	TM089		3460 §	656 M	<10 M	<10 M	<10 #	696 M
Toluene	<2 µg/kg	TM089		<20 §	<20 M	3.54 M	<2 M	2.15 #	<40 M
Ethylbenzene	<3 µg/kg	TM089		<30 §	<30 M	4.72 M	<3 M	3.22 #	<60 M
m,p-Xylene	<6 µg/kg	TM089		<60 §	4800 M	<6 M	<6 M	<6 #	<120 M
o-Xylene	<3 µg/kg	TM089		<30 §	<30 M	<3 M	<3 M	<3 #	<60 M
m,p,o-Xylene	<10 µg/kg	TM089		<10 §	4800	<10	<10	<10	<200
BTEX, Total	<10 µg/kg	TM089		3460 §	5450	<10	<10	<10	696
Aliphatics >C5-C6	<10 µg/kg	TM089		37600 §	13100	54.3	<10	<10	19300
Aliphatics >C6-C8	<10 µg/kg	TM089		1130000 §	195000	163	139	12.9	280000
Aliphatics >C8-C10	<10 µg/kg	TM089		596000 §	25400	56.6	252	14	335000
Aliphatics >C10-C12	<10 µg/kg	TM089		271000 §	6490	13	228	19.3	378000
Aliphatics >C12-C16	<100 µg/kg	TM173		217000	23900	12300	9870	4930	781000
Aliphatics >C16-C21	<100 µg/kg	TM173		39500	7690	4960	2310	14400	502000
Aliphatics >C21-C35	<100 µg/kg	TM173		95300	55700	6320	5360	81800	2150000
Aliphatics >C35-C44	<100 µg/kg	TM173		53700	36600	<100	16500	6680	110000
Total Aliphatics >C12-C44	<100 µg/kg	TM173		405000	124000	23600	34000	108000	3540000
Aromatics >EC5-EC7	<10 µg/kg	TM089		3460 §	656	<10	<10	<10	696
Aromatics >EC7-EC8	<10 µg/kg	TM089		<100 §	<100	<10	<10	<10	<200
Aromatics >EC8-EC10	<10 µg/kg	TM089		397000 §	21800	47.2	168	16.1	223000
Aromatics >EC10-EC12	<10 µg/kg	TM089		181000 §	4330	<10	151	12.9	252000
Aromatics >EC12-EC16	<100 µg/kg	TM173		88300	11100	7480	8160	4470	495000
Aromatics >EC16-EC21	<100 µg/kg	TM173		36200	7670	4570	5080	3790	287000
Aromatics >EC21-EC35	<100 µg/kg	TM173		95900	89800	14200	16100	33700	1410000
Aromatics >EC35-EC44	<100 µg/kg	TM173		67500	50800	4110	19600	12400	248000
Aromatics >EC40-EC44	<100 µg/kg	TM173		28400	20300	2180	9530	5040	68800
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		288000	159000	30300	48900	54300	2440000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3310000	550000	54300	83900	162000	7470000
Total Aliphatics >C5-35	<100 µg/kg	TM173		2390000	327000	23900	18200	101000	4450000
Total Aromatics >C5-35	<100 µg/kg	TM173		802000	135000	26300	29600	42000	2670000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		3190000	462000	50200	47800	143000	7120000

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP033	CATP034	CATP035	CATP035	CATP036	CATP036
			Depth (m)	1.50	0.50	0.50	1.30	0.90	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187381	3187424	3187422	3187423	3187419	3187420
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		73	21	92	154 §	97	80 §
GRO >C5-C12	<44 µg/kg	TM089		813	923	1240000	2780000 §	17100	2060000 §
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<100 #	<100 §	<5 #	<100 §
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<200 M	919 §	<10 M	<200 §
Toluene	<2 µg/kg	TM089		<2 M	19.3 M	<40 M	<40 §	<2 M	<40 §
Ethylbenzene	<3 µg/kg	TM089		5.83 M	3.61 M	<60 M	<60 §	<3 M	<60 §
m,p-Xylene	<6 µg/kg	TM089		<6 M	20.5 M	<120 M	<120 §	<6 M	<120 §
o-Xylene	<3 µg/kg	TM089		<3 M	21.7 M	<60 M	<60 §	<3 M	<60 §
m,p,o-Xylene	<10 µg/kg	TM089		<10	42.1	<10	<10 §	<10	<10 §
BTEX, Total	<10 µg/kg	TM089		<10	65	<10	919 §	<10	<10 §
Aliphatics >C5-C6	<10 µg/kg	TM089		33.8	138	1010	7000 §	36.8	1030 §
Aliphatics >C6-C8	<10 µg/kg	TM089		140	224	60400	894000 §	176	8710 §
Aliphatics >C8-C10	<10 µg/kg	TM089		176	118	269000	697000 §	3470	385000 §
Aliphatics >C10-C12	<10 µg/kg	TM089		203	178	437000	432000 §	6640	845000 §
Aliphatics >C12-C16	<100 µg/kg	TM173		7590	8390	678000	1480000	212000	737000
Aliphatics >C16-C21	<100 µg/kg	TM173		3350	8860	195000	175000	67900	57200
Aliphatics >C21-C35	<100 µg/kg	TM173		9160	41300	311000	344000	21600	39500
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	9630	39100	77700	2940	34100
Total Aliphatics >C12-C44	<100 µg/kg	TM173		20100	68200	1220000	2080000	304000	868000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<200	919 §	<10	<200 §
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	19.3	<200	<200 §	<10	<200 §
Aromatics >EC8-EC10	<10 µg/kg	TM089		123	124	180000	464000 §	2320	257000 §
Aromatics >EC10-EC12	<10 µg/kg	TM089		135	119	292000	288000 §	4430	563000 §
Aromatics >EC12-EC16	<100 µg/kg	TM173		9650	8130	238000	599000	42700	385000
Aromatics >EC16-EC21	<100 µg/kg	TM173		7970	19400	99900	227000	19000	76400
Aromatics >EC21-EC35	<100 µg/kg	TM173		16700	47900	277000	725000	27600	65700
Aromatics >EC35-EC44	<100 µg/kg	TM173		5560	19900	60000	175000	8060	45800
Aromatics >EC40-EC44	<100 µg/kg	TM173		1760	7730	22700	59000	1410	17400
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		39900	95300	675000	1730000	97300	573000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		60800	164000	3140000	6590000	419000	3500000
Total Aliphatics >C5-35	<100 µg/kg	TM173		20700	59200	1950000	4030000	312000	2070000
Total Aromatics >C5-35	<100 µg/kg	TM173		34600	75700	1090000	2300000	96000	1350000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		55300	135000	3040000	6340000	408000	3420000

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP036	CATP041	CATP041	CATP043	CATP043	CATP044
			Depth (m)	2.70	0.50	1.10	0.20	0.80	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187421	3187426	3187427	3187382	3187383	3187428
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		109	12	14	62	50	45
GRO >C5-C12	<44 µg/kg	TM089		232000	388	48700	2260	17800	245
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<25 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<50 M	<10 M	66.6 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<10 M	<2 M	<2 M	3.27 M	<2 M	3.24 M
Ethylbenzene	<3 µg/kg	TM089		<15 M	15.2 M	<3 M	<3 M	<3 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<30 M	<6 M	<6 M	6.55 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<15 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	15.2	66.6	<10	<10	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		<50	16.6	301	10.9	30.7	22.7
Aliphatics >C6-C8	<10 µg/kg	TM089		2260	87.3	11000	65.5	715	40
Aliphatics >C8-C10	<10 µg/kg	TM089		27700	91.4	13300	367	4210	59.4
Aliphatics >C10-C12	<10 µg/kg	TM089		110000	63.7	9120	937	6040	44.3
Aliphatics >C12-C16	<100 µg/kg	TM173		184000	37000	96500	22300	74700	10300
Aliphatics >C16-C21	<100 µg/kg	TM173		44600	43900	93800	28900	64100	12200
Aliphatics >C21-C35	<100 µg/kg	TM173		28300	196000	183000	51700	120000	64100
Aliphatics >C35-C44	<100 µg/kg	TM173		4870	73300	51000	13400	31900	23900
Total Aliphatics >C12-C44	<100 µg/kg	TM173		262000	350000	424000	116000	291000	111000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<50	<10	66.6	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<50	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		18400	83.1	8870	251	2810	44.3
Aromatics >EC10-EC12	<10 µg/kg	TM089		73400	42.9	6080	624	4030	29.2
Aromatics >EC12-EC16	<100 µg/kg	TM173		269000	21500	57500	9430	36300	8310
Aromatics >EC16-EC21	<100 µg/kg	TM173		303000	19300	97200	22500	51700	17100
Aromatics >EC21-EC35	<100 µg/kg	TM173		318000	136000	314000	90000	139000	126000
Aromatics >EC35-EC44	<100 µg/kg	TM173		79600	99000	153000	29500	49300	45200
Aromatics >EC40-EC44	<100 µg/kg	TM173		21200	38100	53400	10000	19100	1350
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		971000	276000	622000	151000	276000	197000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		1460000	626000	1090000	270000	585000	308000
Total Aliphatics >C5-35	<100 µg/kg	TM173		397000	277000	407000	104000	270000	86900
Total Aromatics >C5-35	<100 µg/kg	TM173		983000	177000	484000	123000	234000	152000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1380000	454000	891000	227000	503000	239000

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP044	CATP044	CATP045	CATP045	CATP046	CATP046
			Depth (m)	2.00	3.00	1.00	1.50	0.90	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187431	3187432	3187435	3187436	3187385	3187386
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		74	111	19	69	22	95
GRO >C5-C12	<44 µg/kg	TM089		632000	23900	55800	863000	626	21500
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 #	<5 #	<5 #	<50 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<200 M	28.8 M	<10 #	<100 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<40 M	<2 M	33.9 #	<20 M	9.8 M	<2 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	<3 M	<3 #	<30 M	17.2 M	<3 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<6 M	<6 #	<60 M	12.3 M	<6 M
o-Xylene	<3 µg/kg	TM089		<60 M	<3 M	<3 #	<30 M	<3 M	<3 M
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	12.3	<10
BTEX, Total	<10 µg/kg	TM089		<10	28.8	33.9	<10	39.2	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		1850	145	192	2390	14.7	32.5
Aliphatics >C6-C8	<10 µg/kg	TM089		42600	2920	548	37900	98	719
Aliphatics >C8-C10	<10 µg/kg	TM089		110000	5120	13600	213000	163	4930
Aliphatics >C10-C12	<10 µg/kg	TM089		242000	7350	19400	281000	121	7520
Aliphatics >C12-C16	<100 µg/kg	TM173		257000	9100	235000	270000	21400	12900
Aliphatics >C16-C21	<100 µg/kg	TM173		36900	22500	27700	31800	10400	8400
Aliphatics >C21-C35	<100 µg/kg	TM173		179000	43300	47700	64500	33600	7680
Aliphatics >C35-C44	<100 µg/kg	TM173		16000	7170	10900	11500	2970	1420
Total Aliphatics >C12-C44	<100 µg/kg	TM173		489000	82000	321000	378000	68400	30400
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	28.8	<10	<100	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<10	33.9	<100	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		73500	3420	9100	142000	137	3290
Aromatics >EC10-EC12	<10 µg/kg	TM089		162000	4900	12900	187000	80.9	5010
Aromatics >EC12-EC16	<100 µg/kg	TM173		1080000	36400	641000	880000	28400	11000
Aromatics >EC16-EC21	<100 µg/kg	TM173		97700	59900	69800	46000	18200	9410
Aromatics >EC21-EC35	<100 µg/kg	TM173		313000	67200	65100	78800	46300	8430
Aromatics >EC35-EC44	<100 µg/kg	TM173		181000	11100	20300	25000	13000	3510
Aromatics >EC40-EC44	<100 µg/kg	TM173		34000	4410	8130	3320	4660	1230
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1670000	175000	796000	1030000	106000	32300
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2790000	281000	1170000	2270000	175000	84200
Total Aliphatics >C5-35	<100 µg/kg	TM173		870000	90400	344000	900000	65800	42100
Total Aromatics >C5-35	<100 µg/kg	TM173		1730000	172000	798000	1330000	93200	37100
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		2600000	262000	1140000	2230000	159000	79200

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP046	CATP047	CATP047	CATP048	CATP048	CATP050
			Depth (m)	3.00	1.50	2.20	0.70	2.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187387	3187389	3187390	3187392	3187394	3187395
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		88	108	113	115	114	76
GRO >C5-C12	<44 µg/kg	TM089		3190	163000	450000	505000	8760	156
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<50 #	<50 #	<50 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<100 M	<100 M	<100 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<2 M	<20 M	<20 M	<20 M	<2 M	2.28 M
Ethylbenzene	<3 µg/kg	TM089		<3 M	<30 M	<30 M	<30 M	<3 M	10.3 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<60 M	<60 M	<60 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<30 M	<30 M	<30 M	<3 M	<3 M
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	12.5
Aliphatics >C5-C6	<10 µg/kg	TM089		16	732	525	755	70.2	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		179	5030	9140	28200	432	21.7
Aliphatics >C8-C10	<10 µg/kg	TM089		673	39800	99300	172000	2090	30.8
Aliphatics >C10-C12	<10 µg/kg	TM089		1120	54500	165000	114000	2870	36.5
Aliphatics >C12-C16	<100 µg/kg	TM173		6280	77200	62300	49400	67700	5360
Aliphatics >C16-C21	<100 µg/kg	TM173		2040	22000	38400	15600	57000	3270
Aliphatics >C21-C35	<100 µg/kg	TM173		<100	28800	78200	27000	34100	18000
Aliphatics >C35-C44	<100 µg/kg	TM173		<100	4920	16800	7750	7880	6030
Total Aliphatics >C12-C44	<100 µg/kg	TM173		8320	133000	196000	99700	167000	32700
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<100	<100	<100	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<100	<100	<100	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		448	26500	66200	114000	1390	34.2
Aromatics >EC10-EC12	<10 µg/kg	TM089		748	36300	110000	75800	1910	25.1
Aromatics >EC12-EC16	<100 µg/kg	TM173		11600	25500	26800	30300	71100	7710
Aromatics >EC16-EC21	<100 µg/kg	TM173		8250	18900	28500	8830	61100	5820
Aromatics >EC21-EC35	<100 µg/kg	TM173		9650	27300	45500	19700	39900	28300
Aromatics >EC35-EC44	<100 µg/kg	TM173		5280	10700	12900	7340	12300	17900
Aromatics >EC40-EC44	<100 µg/kg	TM173		1810	3850	4200	2800	4440	7160
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		34800	82300	114000	66200	184000	59700
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		46300	378000	760000	671000	360000	92600
Total Aliphatics >C5-35	<100 µg/kg	TM173		10300	228000	453000	406000	164000	26800
Total Aromatics >C5-35	<100 µg/kg	TM173		30700	135000	277000	249000	175000	41900
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		41000	363000	730000	656000	340000	68600

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP051	CATP051	CATP052	CATP054	CATP054	CATP057
			Depth (m)	0.20	0.60	0.30	0.80	1.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187396	3187397	3187398	3187400	3187402	3187403
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		59	55	61	80	88	48
GRO >C5-C12	<44 µg/kg	TM089		128	445	2950	326000	57900	523
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #	<5 #	<50 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<10 M	<10 M	<10 M	492 M	12.3 M	<10 M
Toluene	<2 µg/kg	TM089		3.33 M	2.24 M	<2 M	<20 M	<2 M	4.4 M
Ethylbenzene	<3 µg/kg	TM089		8.88 M	<3 M	<3 M	<30 M	<3 M	11 M
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M	<6 M	<60 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M	<3 M	<30 M	<3 M	<3 M
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		12.2	<10	<10	492	12.3	15.4
Aliphatics >C5-C6	<10 µg/kg	TM089		<10	19	<10	4710	208	16.5
Aliphatics >C6-C8	<10 µg/kg	TM089		23.3	38.1	31.1	145000	4870	58.3
Aliphatics >C8-C10	<10 µg/kg	TM089		26.6	77.3	288	48000	15500	145
Aliphatics >C10-C12	<10 µg/kg	TM089		23.3	155	1460	57100	16200	113
Aliphatics >C12-C16	<100 µg/kg	TM173		40900	80500	62800	693000	77500	5480
Aliphatics >C16-C21	<100 µg/kg	TM173		52800	327000	174000	666000	61400	11100
Aliphatics >C21-C35	<100 µg/kg	TM173		163000	3010000	506000	266000	30800	84500
Aliphatics >C35-C44	<100 µg/kg	TM173		57500	2390000	34500	26000	1340	14700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		314000	5810000	776000	1650000	171000	116000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10	<10	492	12.3	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10	<10	<100	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		30	51.5	193	32000	10300	108
Aromatics >EC10-EC12	<10 µg/kg	TM089		15.5	103	973	38100	10800	75.9
Aromatics >EC12-EC16	<100 µg/kg	TM173		32700	31700	19300	723000	90300	6790
Aromatics >EC16-EC21	<100 µg/kg	TM173		41200	146000	118000	830000	92500	10900
Aromatics >EC21-EC35	<100 µg/kg	TM173		110000	840000	619000	424000	55300	56600
Aromatics >EC35-EC44	<100 µg/kg	TM173		54600	957000	33400	37500	11800	26400
Aromatics >EC40-EC44	<100 µg/kg	TM173		21600	367000	13000	11200	4190	11000
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		239000	1970000	789000	2010000	250000	101000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		553000	7780000	1570000	3990000	479000	217000
Total Aliphatics >C5-35	<100 µg/kg	TM173		256000	3420000	744000	1880000	207000	101000
Total Aromatics >C5-35	<100 µg/kg	TM173		184000	1020000	757000	2050000	259000	74600
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		441000	4440000	1500000	3930000	466000	176000

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP057	CATP058	CATP058	CATP058	CATP059	CATP065
			Depth (m)	2.70	0.40	0.90	2.30	1.20	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187405	3187406	3187407	3187410	3187412	3187413
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		123	24	27	42	103	7
GRO >C5-C12	<44 µg/kg	TM089		1500000	341	12700	40400	210	182
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<100 #	<5 #	<5 #	<5 #	<5 #	<5 #
Benzene	<10 µg/kg	TM089		<200 M	<10 M	<10 M	<10 M	<10 M	<10 M
Toluene	<2 µg/kg	TM089		<40 M	4.4 M	2.72 M	<2 M	<2 M	2.13 M
Ethylbenzene	<3 µg/kg	TM089		<60 M	15.4 M	<3 M	<3 M	<3 M	3.2 M
m,p-Xylene	<6 µg/kg	TM089		<120 M	<6 M	<6 M	<6 M	<6 M	<6 M
o-Xylene	<3 µg/kg	TM089		<60 M	<3 M	<3 M	<3 M	<3 M	<3 M
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10	<10	<10	<10	<10
BTEX, Total	<10 µg/kg	TM089		<10	19.8	<10	<10	<10	<10
Aliphatics >C5-C6	<10 µg/kg	TM089		7960	<10	<10	288	20	<10
Aliphatics >C6-C8	<10 µg/kg	TM089		173000	44	61.2	4430	<10	45.8
Aliphatics >C8-C10	<10 µg/kg	TM089		483000	100	568	10400	35.5	40.5
Aliphatics >C10-C12	<10 µg/kg	TM089		307000	59.4	7020	11000	69.9	33
Aliphatics >C12-C16	<100 µg/kg	TM173		488000	15800	1200000	401000	8080	9150
Aliphatics >C16-C21	<100 µg/kg	TM173		239000	25000	343000	518000	900	16800
Aliphatics >C21-C35	<100 µg/kg	TM173		295000	95000	292000	335000	<100	88500
Aliphatics >C35-C44	<100 µg/kg	TM173		9650	19800	141000	135000	<100	39700
Total Aliphatics >C12-C44	<100 µg/kg	TM173		1030000	156000	1970000	1390000	8980	154000
Aromatics >EC5-EC7	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/kg	TM089		<200	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/kg	TM089		322000	82.5	379	6940	26.6	32
Aromatics >EC10-EC12	<10 µg/kg	TM089		205000	39.6	4680	7330	46.6	22.4
Aromatics >EC12-EC16	<100 µg/kg	TM173		245000	19600	78600	200000	8160	9400
Aromatics >EC16-EC21	<100 µg/kg	TM173		253000	95600	145000	275000	3540	11400
Aromatics >EC21-EC35	<100 µg/kg	TM173		350000	234000	266000	191000	3540	80900
Aromatics >EC35-EC44	<100 µg/kg	TM173		30800	61000	200000	76600	2220	62100
Aromatics >EC40-EC44	<100 µg/kg	TM173		11200	22100	82900	34800	1080	26900
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		879000	411000	690000	743000	17400	164000
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		3410000	567000	2680000	2170000	26600	318000
Total Aliphatics >C5-35	<100 µg/kg	TM173		1990000	136000	1840000	1280000	9110	115000
Total Aromatics >C5-35	<100 µg/kg	TM173		1380000	350000	496000	680000	15300	102000
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		3370000	486000	2340000	1960000	24400	216000

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

TPH CWG (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP066	CATP066				
			Depth (m)	0.40	0.80				
			Sample Type	Soil/Solid	Soil/Solid				
			Date Sampled	29/03/2011	29/03/2011				
			Date Received	30/03/2011	30/03/2011				
			SDG Ref	110330-44	110330-44				
			Lab Sample No.(s)	3187414	3187415				
			AGS Reference						
GRO Surrogate % recovery**	%	TM089		8	96				
GRO >C5-C12	<44 µg/kg	TM089		1160	58.2				
Methyl tertiary butyl ether (MTBE)	<5 µg/kg	TM089		<5 #	<5 #				
Benzene	<10 µg/kg	TM089		<10 M	<10 M				
Toluene	<2 µg/kg	TM089		<2 M	2.24 M				
Ethylbenzene	<3 µg/kg	TM089		<3 M	7.84 M				
m,p-Xylene	<6 µg/kg	TM089		<6 M	<6 M				
o-Xylene	<3 µg/kg	TM089		<3 M	<3 M				
m,p,o-Xylene	<10 µg/kg	TM089		<10	<10				
BTEX, Total	<10 µg/kg	TM089		<10	10.1				
Aliphatics >C5-C6	<10 µg/kg	TM089		14.8	<10				
Aliphatics >C6-C8	<10 µg/kg	TM089		267	<10				
Aliphatics >C8-C10	<10 µg/kg	TM089		225	<10				
Aliphatics >C10-C12	<10 µg/kg	TM089		300	11.2				
Aliphatics >C12-C16	<100 µg/kg	TM173		50800	11100				
Aliphatics >C16-C21	<100 µg/kg	TM173		143000	2300				
Aliphatics >C21-C35	<100 µg/kg	TM173		559000	536				
Aliphatics >C35-C44	<100 µg/kg	TM173		186000	<100				
Total Aliphatics >C12-C44	<100 µg/kg	TM173		939000	14000				
Aromatics >EC5-EC7	<10 µg/kg	TM089		<10	<10				
Aromatics >EC7-EC8	<10 µg/kg	TM089		<10	<10				
Aromatics >EC8-EC10	<10 µg/kg	TM089		149	16.8				
Aromatics >EC10-EC12	<10 µg/kg	TM089		200	<10				
Aromatics >EC12-EC16	<100 µg/kg	TM173		12600	5440				
Aromatics >EC16-EC21	<100 µg/kg	TM173		75800	137				
Aromatics >EC21-EC35	<100 µg/kg	TM173		713000	<100				
Aromatics >EC35-EC44	<100 µg/kg	TM173		254000	<100				
Aromatics >EC40-EC44	<100 µg/kg	TM173		91200	<100				
Total Aromatics >EC12-EC44	<100 µg/kg	TM173		1060000	5680				
Total Aliphatics & Aromatics >C5-C44	<100 µg/kg	TM173		2000000	19700				
Total Aliphatics >C5-35	<100 µg/kg	TM173		754000	14000				
Total Aromatics >C5-35	<100 µg/kg	TM173		802000	5650				
Total Aliphatics & Aromatics >C5-35	<100 µg/kg	TM173		1560000	19700				

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP027	CATP027	CATP027	CATP028	CATP028	CATP029
			Depth (m)	0.30	1.00	2.50	0.10	0.70	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187361	3187362	3187364	3187365	3187366	3187367
			AGS Reference						
Dibromofluoromethane**	%	TM116		87.1	95.3	101	94.4	92.5	90.3
Toluene-d8**	%	TM116		79.5	90.9	96.3	93.5	85.7	88.7
4-Bromofluorobenzene**	%	TM116		165	136	113	134	154	133
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		15.8 M	49.8 M	<7 M	17.8 M	24 M	64.7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	16.6 #	<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	18.3 M	<5 M	20 M	<5 M	14.9 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:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP027	CATP027	CATP027	CATP028	CATP028	CATP029
			Depth (m)	0.30	1.00	2.50	0.10	0.70	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187361	3187362	3187364	3187365	3187366	3187367
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	14 M	5.96 M	<4 M	120 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	926 #	<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	1560 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	1220 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 #	77.4 #	<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 #	30.4 #	405 #	40.6 #
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	89.6 M	<13 M	<13 M	43.3 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:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP029	CATP029	CATP029	CATP030	CATP030	CATP030
			Depth (m)	0.80	1.50	2.50	0.10	0.80	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187369	3187370	3187371	3187372	3187373	3187374
			AGS Reference						
Dibromofluoromethane**	%	TM116		92.2	98.4	101	83.3	93.8	101
Toluene-d8**	%	TM116		87.7	94.2	96.2	94.6	86.9	94.4
4-Bromofluorobenzene**	%	TM116		147	125	113	128	150	116
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		18.2 M	<7 M	<7 M	<7 M	28.1 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	20.7 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	11 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	182 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:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP029	CATP029	CATP029	CATP030	CATP030	CATP030
			Depth (m)	0.80	1.50	2.50	0.10	0.80	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187369	3187370	3187371	3187372	3187373	3187374
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M	6.11 M	17.4 M	7.75 M
p/m-Xylene	<14 µg/kg	TM116		113 #	<14 #	<14 #	19.6 #	<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	972 M	7.19 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		86.9 M	<11 M	<11 M	<11 M	937 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		678 #	<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		1650 #	83.2 #	<9 #	13.9 #	29.8 #	<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

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP031	CATP031	CATP031	CATP031	CATP033	CATP033
			Depth (m)	0.20	0.60	1.20	2.20	0.40	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187375	3187376	3187377	3187378	3187379	3187380
			AGS Reference						
Dibromofluoromethane**	%	TM116		87.2	95.6	102	98.6	90	102
Toluene-d8**	%	TM116		151	92.3	96.7	95.2	95.7	94
4-Bromofluorobenzene**	%	TM116		149	141	111	119	127	133
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	<80 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<140 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<200 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<260 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		107 M	24.2 M	<7 M	<7 M	<7 M	<140 M
Dichloromethane	<10 µg/kg	TM116		26.6 #	<10 #	<10 #	<10 #	<10 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<280 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		57.5 M	<5 M	<5 M	<5 M	<5 M	<100 M
Benzene	<9 µg/kg	TM116		1490 M	320 M	<9 M	<9 M	<9 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		805 M	<12 M	<12 M	<12 M	<12 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<7 M	<7 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<280 M
Toluene	<5 µg/kg	TM116		239 M	29.6 M	<5 M	<5 M	6.1 M	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<14	<14	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	12.2 M	<10 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<7 #	<7 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP031	CATP031	CATP031	CATP031	CATP033	CATP033
			Depth (m)	0.20	0.60	1.20	2.20	0.40	0.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187375	3187376	3187377	3187378	3187379	3187380
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	85.9 M	5.73 M	6.94 M	6.75 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	2080 #	<14 #	<14 #	<14 #	<280 #
o-Xylene	<10 µg/kg	TM116		<10 M	52.3 M	<10 M	<10 M	<10 M	<200 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		2730 M	388 M	<5 M	6.56 M	<5 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<17 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		<11 M	32.6 M	<11 M	<11 M	<11 M	3820 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<9 M	<9 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	322 #	<8 #	<8 #	<8 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<12 #	<12 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		520 #	1610 #	<9 #	<9 #	<9 #	<180 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	5880 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	7760 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		31.4	<15	<15	<15	<15	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<6 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<12	<12	<240
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<13 M	<13 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<6 M	<6 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP033	CATP034	CATP035	CATP035	CATP036	CATP036
			Depth (m)	1.50	0.50	0.50	1.30	0.90	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187381	3187424	3187422	3187423	3187419	3187420
			AGS Reference						
Dibromofluoromethane**	%	TM116		95.1	95	97.3	102	96.5	94.3
Toluene-d8**	%	TM116		93.4	91	95.5	100	89.5	81.5
4-Bromofluorobenzene**	%	TM116		128	152	141	120	144	148
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<80 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<140 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<260 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	<7 M	43.2 M	<140 M	14.3 M	34.7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<160 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<160 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<140 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M	<9 M	41.5 M
Trichloroethene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<140 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 M	47.1 M	<5 M	<100 M	<5 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<280	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<140 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<260 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP033	CATP034	CATP035	CATP035	CATP036	CATP036
			Depth (m)	1.50	0.50	0.50	1.30	0.90	1.20
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187381	3187424	3187422	3187423	3187419	3187420
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		6.38 M	<4 M	<4 M	<80 M	11.1 M	<4 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	61.1 #	<14 #	33900 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	9760 M	<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<340 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	927 M	10500 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	21200 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<240 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		22.1 #	<9 #	<9 #	64600 #	21.1 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	4550 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	4060 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<300	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<120 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<240	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<260 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP036	CATP041	CATP041	CATP043	CATP043	CATP044
			Depth (m)	2.70	0.50	1.10	0.20	0.80	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187421	3187426	3187427	3187382	3187383	3187428
			AGS Reference						
Dibromofluoromethane**	%	TM116		104 §	116	96.6	94.4	97.4	85.6
Toluene-d8**	%	TM116		91.4 §	93.2	78.4	93.5	91.7	89.7
4-Bromofluorobenzene**	%	TM116		105 §	153	161	139	139	153
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 §	<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 §	<13 M	<13 M	<13 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 §	<14 M	<14 M	<14 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 §	<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		8.69 §	<7 M	71.9 M	8.39 M	22 M	20.8 M
Dichloromethane	<10 µg/kg	TM116		<10 §	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 §	<11 M	<11 M	<11 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 §	<11 M	<11 M	<11 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 §	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 §	<5 M	<5 M	<5 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 §	<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 §	<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 §	<8 M	<8 M	<8 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 §	<7 M	<7 M	<7 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 §	<11 M	<11 M	<11 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 §	<14 M	<14 M	<14 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 §	<5 M	<5 M	<5 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 §	34.3 M	<9 M	<9 M	19.4 M	18.7 M
Trichloroethene	<9 µg/kg	TM116		<9 §	<9 M	<9 M	<9 M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 §	<12 M	<12 M	<12 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 §	<9 M	<9 M	<9 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 §	<7 M	<7 M	<7 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 §	<14 M	<14 M	<14 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<5 §	25.9 M	16.2 M	19 M	9.54 M	16.3 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14 §	<14	<14	<14	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 §	<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 §	<5 M	<5 M	<5 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 §	<13 M	<13 M	<13 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP036	CATP041	CATP041	CATP043	CATP043	CATP044
			Depth (m)	2.70	0.50	1.10	0.20	0.80	0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187421	3187426	3187427	3187382	3187383	3187428
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 §	<12 M	<12 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 §	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 §	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 §	50.7 M	22.9 M	16.6 M	9.28 M	16.1 M
p/m-Xylene	<14 µg/kg	TM116		226 §	42.7 #	55.6 #	56.1 #	21.7 #	30.1 #
o-Xylene	<10 µg/kg	TM116		<10 §	<10 M	<10 M	<10 M	<10 M	16 M
Styrene	<10 µg/kg	TM116		<10 §	47.4 M	<10 M	<10 M	<10 M	<10 M
Bromoform	<10 µg/kg	TM116		<10 §	<10 M	<10 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		368 §	<5 M	58.3 M	<5 M	6.76 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 §	<17 M	<17 M	<17 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 §	<10 M	<10 M	<10 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		840 §	<11 M	44.8 M	<11 M	<11 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 §	<9 M	<9 M	<9 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		1020 §	<8 #	<8 #	<8 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 §	<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		4970 §	<9 #	<9 #	73.3 #	26 #	37 #
sec-Butylbenzene	<10 µg/kg	TM116		1070 §	<10 M	<10 M	<10 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 §	<11 M	<11 M	<11 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 §	<6 M	<6 M	<6 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 §	<5 M	<5 M	<5 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 §	<10 M	<10 M	<10 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 §	<12 M	<12 M	<12 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 §	<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		3660 §	<13 M	<13 M	<13 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 §	<6 M	<6 M	<6 M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP044	CATP044	CATP045	CATP045	CATP046	CATP046
			Depth (m)	2.00	3.00	1.00	1.50	0.90	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187431	3187432	3187435	3187436	3187385	3187386
			AGS Reference						
Dibromofluoromethane**	%	TM116		105 §	97.3	72.4	74 §	99.1	99
Toluene-d8**	%	TM116		93.1 §	97.2	91.2	79.8 §	87.2	95.1
4-Bromofluorobenzene**	%	TM116		126 §	113	135	122 §	154	117
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 § M	<4 M	<4 #	<4 § M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<140 §	<7 #	<7 #	<7 §	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<200 §	<10 #	<10 #	<10 §	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<260 § M	<13 M	<13 #	<13 § M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<280 § M	<14 M	<14 #	<14 § M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 § M	<6 M	<6 #	<6 § M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 §	<10 #	<10 #	<10 §	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		615 § M	<7 M	13.9 #	155 § M	<7 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<200 §	<10 #	<10 #	<10 §	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 § M	<11 M	<11 #	<11 § M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 § M	<11 M	<11 #	<11 § M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 § M	<8 M	<8 #	<8 § M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 § M	<5 M	<5 #	<5 § M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 § M	<12 M	<12 #	<12 § M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 § M	<14 M	<14 #	<14 § M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<160 § M	<8 M	<8 #	<8 § M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 § M	<7 M	<7 #	<7 § M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 § M	<11 M	<11 #	<11 § M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 § M	<14 M	<14 #	<14 § M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 § M	<5 M	<5 #	<5 § M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<180 § M	43 M	57.9 #	<9 § M	23.7 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<180 § M	<9 M	<9 #	<9 § M	<9 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 § M	<12 M	<12 #	<12 § M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 § M	<9 M	<9 #	<9 § M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 § M	<7 M	<7 #	<7 § M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 § M	<14 M	<14 #	<14 § M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		<100 § M	22.6 M	173 #	219 § M	25.9 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280 §	<14	<14	<14 §	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 § M	<10 M	<10 #	<10 § M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 §	<7 #	<7 #	<7 §	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 § M	<5 M	<5 #	<5 § M	11.9 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 § M	<13 M	<13 #	<13 § M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP044	CATP044	CATP045	CATP045	CATP046	CATP046
			Depth (m)	2.00	3.00	1.00	1.50	0.90	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187431	3187432	3187435	3187436	3187385	3187386
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 § M	<12 M	<12 #	<12 § M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 § M	<5 M	<5 #	<5 § M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 § M	<10 M	<10 #	<10 § M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 § M	21.3 M	140 #	<4 § M	37.4 M	5.23 M
p/m-Xylene	<14 µg/kg	TM116		<280 §	194 #	415 #	<14 §	35.5 #	<14 #
o-Xylene	<10 µg/kg	TM116		<200 § M	<10 M	<10 #	<10 § M	15.4 M	<10 M
Styrene	<10 µg/kg	TM116		<200 § M	<10 M	<10 #	<10 § M	29.9 M	<10 M
Bromoform	<10 µg/kg	TM116		<200 § M	<10 M	<10 #	<10 § M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		3490 § M	53.9 M	<5 #	1300 § M	21.8 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 §	<10 #	<10 #	<10 §	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 § M	<17 M	<17 #	<17 § M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 § M	<10 M	<10 #	<10 § M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		7830 § M	68.3 M	<11 #	2050 § M	23.5 M	39.1 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 § M	<9 M	<9 #	<9 § M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		3060 §	237 #	<8 #	1990 §	13.1 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 § M	<12 M	<12 #	<12 § M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 §	<12 #	<12 #	<12 §	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		13500 §	783 #	<9 #	10500 §	168 #	48.8 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 § M	<10 M	<10 #	<10 § M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 § M	<11 M	<11 #	<11 § M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 § M	<6 M	<6 #	<6 § M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 § M	<5 M	<5 #	<5 § M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 § M	<10 M	<10 #	<10 § M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 § M	<12 M	<12 #	<12 § M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 § M	<14 M	<14 #	<14 § M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300 §	<15	<15	<15 §	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<120 §	<6 #	<6 #	<6 §	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240 §	<12	<12	<12 §	<12	<12
Naphthalene	<13 µg/kg	TM116		<260 § M	<13 M	<13 #	<13 § M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 § M	<6 M	<6 #	<6 § M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP046	CATP047	CATP047	CATP048	CATP048	CATP050
			Depth (m)	3.00	1.50	2.20	0.70	2.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187387	3187389	3187390	3187392	3187394	3187395
			AGS Reference						
Dibromofluoromethane**	%	TM116		100	99.9	101	98.7	102	104
Toluene-d8**	%	TM116		97.2	95.3	88.7	96.4	100	91.5
4-Bromofluorobenzene**	%	TM116		102	129	122	127	100	146
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	9.79 M	11.4 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<10 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<11 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<14 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<8 M	<8 M	21.8 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		6.35 M	<5 M	<5 M	14.1 M	<5 M	7.7 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:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP046	CATP047	CATP047	CATP048	CATP048	CATP050
			Depth (m)	3.00	1.50	2.20	0.70	2.30	0.30
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	28/03/2011	28/03/2011	28/03/2011	28/03/2011	28/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187387	3187389	3187390	3187392	3187394	3187395
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<5 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<4 M	<4 M	14.7 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<14 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<10 M	<10 M	14.9 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	30.8 M	<10 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	413 M	65.2 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	131 M	1060 M	628 M	82.6 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		21.5 #	<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

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP051	CATP051	CATP052	CATP054	CATP054	CATP057
			Depth (m)	0.20	0.60	0.30	0.80	1.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187396	3187397	3187398	3187400	3187402	3187403
			AGS Reference						
Dibromofluoromethane**	%	TM116		100	97.8	99	106	101	66.3
Toluene-d8**	%	TM116		88.2	88.1	86.6	102	91.5	92.5
4-Bromofluorobenzene**	%	TM116		148	144	155	105	142	147
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<4 M	<80 M	<4 M	<4 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<140 #	<7 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #	<10 #	<10 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<260 M	<13 M	<13 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M	<6 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #	<10 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		<7 M	27.5 M	11.2 M	<140 M	21.1 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #	<10 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<160 M	<8 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<8 M	<160 M	<8 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<140 M	<7 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M	<9 M	<9 M
Trichloroethene	<9 µg/kg	TM116		21.9 M	<9 M	<9 M	<180 M	<9 M	73.3 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M	<9 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<7 M	<140 M	<7 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
Toluene	<5 µg/kg	TM116		9.42 M	<5 M	<5 M	<100 M	7.46 M	8.36 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<14	<280	<14	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<7 #	<140 #	<7 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<260 M	<13 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP051	CATP051	CATP052	CATP054	CATP054	CATP057
			Depth (m)	0.20	0.60	0.30	0.80	1.50	0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187396	3187397	3187398	3187400	3187402	3187403
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		18.3 M	5.23 M	<4 M	<80 M	<4 M	19.7 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<14 #	<280 #	<14 #	<14 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Styrene	<10 µg/kg	TM116		19.5 M	<10 M	<10 M	<200 M	<10 M	33.6 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<10 #	<200 #	<10 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<17 M	<340 M	<17 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
Propylbenzene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	14.2 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<9 M	<180 M	<9 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<8 #	<160 #	<8 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<12 #	<240 #	<12 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		<9 #	<9 #	<9 #	1760 #	<9 #	78 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<11 M	<220 M	<11 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M	<6 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<5 M	<100 M	<5 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<10 M	<200 M	<10 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<12 M	<240 M	<12 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<14 M	<280 M	<14 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<15	<300	<15	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<6 #	<120 #	<6 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<12	<240	<12	<12
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<13 M	<260 M	<13 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<6 M	<120 M	<6 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP057	CATP058	CATP058	CATP058	CATP059	CATP062
			Depth (m)	2.70	0.40	0.90	2.30	1.20	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187405	3187406	3187407	3187410	3187412	3187447
			AGS Reference						
Dibromofluoromethane**	%	TM116		105	76	105	104	102	103
Toluene-d8**	%	TM116		101	86.7	96.8	98.3	94.9	95.2
4-Bromofluorobenzene**	%	TM116		136	142	122	109	120	119
Dichlorodifluoromethane	<4 µg/kg	TM116		<4 M	<4 M	<80 M	<80 M	<4 M	<80 M
Chloromethane	<7 µg/kg	TM116		<7 #	<7 #	<140 #	<140 #	<7 #	<140 #
Vinyl Chloride	<10 µg/kg	TM116		<10 #	<10 #	<200 #	<200 #	<10 #	<200 #
Bromomethane	<13 µg/kg	TM116		<13 M	<13 M	<260 M	<260 M	<13 M	<260 M
Chloroethane	<14 µg/kg	TM116		<14 M	<14 M	<280 M	<280 M	<14 M	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116		<6 M	<6 M	<120 M	<120 M	<6 M	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116		<10 #	<10 #	<200 #	<200 #	<10 #	<200 #
Carbon Disulphide	<7 µg/kg	TM116		32.9 M	<7 M	<140 M	<140 M	<7 M	<140 M
Dichloromethane	<10 µg/kg	TM116		<10 #	<10 #	<200 #	<200 #	<10 #	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<11 M	<11 M	<220 M	<220 M	<11 M	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<11 M	<11 M	<220 M	<220 M	<11 M	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116		<8 M	<8 M	<160 M	<160 M	<8 M	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<5 M	<5 M	<100 M	<100 M	<5 M	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<240 M	<240 M	<12 M	<240 M
Bromochloromethane	<14 µg/kg	TM116		<14 M	<14 M	<280 M	<280 M	<14 M	<280 M
Chloroform	<8 µg/kg	TM116		<8 M	<8 M	<160 M	<160 M	<8 M	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<7 M	<7 M	<140 M	<140 M	<7 M	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116		<11 M	<11 M	<220 M	<220 M	<11 M	<220 M
Carbontetrachloride	<14 µg/kg	TM116		<14 M	<14 M	<280 M	<280 M	<14 M	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116		<5 M	<5 M	<100 M	<100 M	<5 M	<100 M
Benzene	<9 µg/kg	TM116		<9 M	<9 M	<180 M	<180 M	<9 M	<180 M
Trichloroethene	<9 µg/kg	TM116		<9 M	85.6 M	<180 M	<180 M	<9 M	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116		<12 M	<12 M	<240 M	<240 M	<12 M	<240 M
Dibromomethane	<9 µg/kg	TM116		<9 M	<9 M	<180 M	<180 M	<9 M	<180 M
Bromodichloromethane	<7 µg/kg	TM116		<7 M	<7 M	<140 M	<140 M	<7 M	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<14 M	<14 M	<280 M	<280 M	<14 M	<280 M
Toluene	<5 µg/kg	TM116		<5 M	14.6 M	<100 M	<100 M	<5 M	132 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<14	<14	<280	<280	<14	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116		<10 M	<10 M	<200 M	<200 M	<10 M	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116		<7 #	<7 #	<140 #	<140 #	<7 #	<140 #
Tetrachloroethene	<5 µg/kg	TM116		<5 M	<5 M	<100 M	<100 M	<5 M	<100 M
Dibromochloromethane	<13 µg/kg	TM116		<13 M	<13 M	<260 M	<260 M	<13 M	<260 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP057	CATP058	CATP058	CATP058	CATP059	CATP062
			Depth (m)	2.70	0.40	0.90	2.30	1.20	0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187405	3187406	3187407	3187410	3187412	3187447
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<12 M	<12 M	<240 M	<240 M	<12 M	<240 M
Chlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<100 M	<100 M	<5 M	<100 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<10 M	<10 M	<200 M	<200 M	<10 M	<200 M
Ethylbenzene	<4 µg/kg	TM116		<4 M	40.7 M	<80 M	<80 M	6.05 M	<80 M
p/m-Xylene	<14 µg/kg	TM116		<14 #	<14 #	<280 #	<280 #	<14 #	<280 #
o-Xylene	<10 µg/kg	TM116		<10 M	<10 M	<200 M	<200 M	<10 M	<200 M
Styrene	<10 µg/kg	TM116		<10 M	<10 M	<200 M	<200 M	<10 M	<200 M
Bromoform	<10 µg/kg	TM116		<10 M	<10 M	<200 M	<200 M	<10 M	<200 M
Isopropylbenzene	<5 µg/kg	TM116		6090 M	13.9 M	<100 M	<100 M	<5 M	<100 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<10 #	<10 #	<200 #	<200 #	<10 #	<200 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<17 M	<17 M	<340 M	<340 M	<17 M	<340 M
Bromobenzene	<10 µg/kg	TM116		<10 M	<10 M	<200 M	<200 M	<10 M	<200 M
Propylbenzene	<11 µg/kg	TM116		10900 M	<11 M	<220 M	<220 M	<11 M	<220 M
2-Chlorotoluene	<9 µg/kg	TM116		<9 M	<9 M	<180 M	<180 M	<9 M	<180 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<8 #	<8 #	<160 #	<160 #	<8 #	<160 #
4-Chlorotoluene	<12 µg/kg	TM116		<12 M	<12 M	<240 M	<240 M	<12 M	<240 M
tert-Butylbenzene	<12 µg/kg	TM116		<12 #	<12 #	<240 #	<240 #	<12 #	<240 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		116000 §	<9 #	<180 #	<180 #	<9 #	505 #
sec-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<200 M	<200 M	<10 M	<200 M
4-Isopropyltoluene	<11 µg/kg	TM116		<11 M	<11 M	<220 M	<220 M	<11 M	<220 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<120 M	<120 M	<6 M	<120 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<5 M	<5 M	<100 M	<100 M	<5 M	<100 M
n-Butylbenzene	<10 µg/kg	TM116		<10 M	<10 M	<200 M	<200 M	<10 M	<200 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<12 M	<12 M	<240 M	<240 M	<12 M	<240 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<14 M	<14 M	<280 M	<280 M	<14 M	<280 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<15	<15	<300	<300	<15	<300
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		<6 #	<6 #	<120 #	<120 #	<6 #	<120 #
Hexachlorobutadiene	<12 µg/kg	TM116		<12	<12	<240	<240	<12	<240
Naphthalene	<13 µg/kg	TM116		<13 M	<13 M	<260 M	<260 M	<13 M	<260 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<6 M	<6 M	<120 M	<120 M	<6 M	<120 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP062	CATP063	CATP064	CATP065	CATP066	CATP066
			Depth (m)	1.00	1.30	0.50	0.40	0.40	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187448	3187452	3187454	3187413	3187414	3187415
			AGS Reference						
Dibromofluoromethane**	%	TM116		112	104	105	91.3	103	101
Toluene-d8**	%	TM116		99.4	98	95.1	88.2	94.6	93.1
4-Bromofluorobenzene**	%	TM116		116	145	119	156	127	129
Dichlorodifluoromethane	<4 µg/kg	TM116		<80 M	<80 M	<80 M	<4 M	<80 M	<4 M
Chloromethane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<7 #	<140 #	<7 #
Vinyl Chloride	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<10 #
Bromomethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<13 M
Chloroethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
Trichlorofluorormethane	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<6 M
1.1-Dichloroethene	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<10 #
Carbon Disulphide	<7 µg/kg	TM116		238 M	351 M	<140 M	<7 M	<140 M	<7 M
Dichloromethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<10 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
1.1-Dichloroethane	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<8 M	<160 M	<8 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
2.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
Bromochloromethane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
Chloroform	<8 µg/kg	TM116		<160 M	<160 M	<160 M	<8 M	<160 M	<8 M
1.1.1-Trichloroethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 M	<7 M
1.1-Dichloropropene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
Carbontetrachloride	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
1.2-Dichloroethane	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
Benzene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<9 M
Trichloroethene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<9 M
1.2-Dichloropropane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
Dibromomethane	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<9 M
Bromodichloromethane	<7 µg/kg	TM116		<140 M	<140 M	<140 M	<7 M	<140 M	<7 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
Toluene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	7.66 M	<100 M	<5 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116		<280	<280	<280	<14	<280	<14
1.1.2-Trichloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
1.3-Dichloropropane	<7 µg/kg	TM116		<140 #	<140 #	<140 #	<7 #	<140 #	<7 #
Tetrachloroethene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
Dibromochloromethane	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<13 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Component	LOD/Units	Method	Customer Sample R	CATP062	CATP063	CATP064	CATP065	CATP066	CATP066
			Depth (m)	1.00	1.30	0.50	0.40	0.40	0.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011	29/03/2011
			Date Received	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011	30/03/2011
			SDG Ref	110330-44	110330-44	110330-44	110330-44	110330-44	110330-44
			Lab Sample No.(s)	3187448	3187452	3187454	3187413	3187414	3187415
			AGS Reference						
1.2-Dibromoethane	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
Chlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
1.1.1.2-Tetrachloroethane	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Ethylbenzene	<4 µg/kg	TM116		<80 M	<80 M	<80 M	10.1 M	<80 M	8.87 M
p/m-Xylene	<14 µg/kg	TM116		<280 #	<280 #	<280 #	<14 #	<280 #	<14 #
o-Xylene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Styrene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Bromoform	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Isopropylbenzene	<5 µg/kg	TM116		3000 M	<100 M	<100 M	<5 M	<100 M	<5 M
1.1.2.2-Tetrachloroethane	<10 µg/kg	TM116		<200 #	<200 #	<200 #	<10 #	<200 #	<10 #
1.2.3-Trichloropropane	<17 µg/kg	TM116		<340 M	<340 M	<340 M	<17 M	<340 M	<17 M
Bromobenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
Propylbenzene	<11 µg/kg	TM116		4570 M	538 M	<220 M	<11 M	<220 M	<11 M
2-Chlorotoluene	<9 µg/kg	TM116		<180 M	<180 M	<180 M	<9 M	<180 M	<9 M
1.3.5-Trimethylbenzene	<8 µg/kg	TM116		<160 #	<160 #	<160 #	<8 #	<160 #	<8 #
4-Chlorotoluene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
tert-Butylbenzene	<12 µg/kg	TM116		<240 #	<240 #	<240 #	<12 #	<240 #	<12 #
1.2.4-Trimethylbenzene	<9 µg/kg	TM116		5160 #	<180 #	<180 #	<9 #	<180 #	<9 #
sec-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
4-Isopropyltoluene	<11 µg/kg	TM116		<220 M	<220 M	<220 M	<11 M	<220 M	<11 M
1.3-Dichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<6 M
1.4-Dichlorobenzene	<5 µg/kg	TM116		<100 M	<100 M	<100 M	<5 M	<100 M	<5 M
n-Butylbenzene	<10 µg/kg	TM116		<200 M	<200 M	<200 M	<10 M	<200 M	<10 M
1.2-Dichlorobenzene	<12 µg/kg	TM116		<240 M	<240 M	<240 M	<12 M	<240 M	<12 M
1.2-Dibromo-3-chloropropane	<14 µg/kg	TM116		<280 M	<280 M	<280 M	<14 M	<280 M	<14 M
Tert-amyl methyl ether	<15 µg/kg	TM116		<300	<300	<300	<15	<300	<15
1.2.4-Trichlorobenzene	<6 µg/kg	TM116		228 #	<120 #	<120 #	<6 #	<120 #	<6 #
Hexachlorobutadiene	<12 µg/kg	TM116		<240	<240	<240	<12	<240	<12
Naphthalene	<13 µg/kg	TM116		<260 M	<260 M	<260 M	<13 M	<260 M	<13 M
1.2.3-Trichlorobenzene	<6 µg/kg	TM116		<120 M	<120 M	<120 M	<6 M	<120 M	<6 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Customer Sample R	CATP067
Depth (m)	0.50
Sample Type	Soil/Solid
Date Sampled	29/03/2011
Date Received	30/03/2011
SDG Ref	110330-44
Lab Sample No.(s)	3187416
AGS Reference	

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM116	106
Toluene-d8**	%	TM116	92.6
4-Bromofluorobenzene**	%	TM116	130
Dichlorodifluoromethane	<4 µg/kg	TM116	<80 M
Chloromethane	<7 µg/kg	TM116	<140 #
Vinyl Chloride	<10 µg/kg	TM116	<200 #
Bromomethane	<13 µg/kg	TM116	<260 M
Chloroethane	<14 µg/kg	TM116	<280 M
Trichlorofluorormethane	<6 µg/kg	TM116	<120 M
1.1-Dichloroethene	<10 µg/kg	TM116	<200 #
Carbon Disulphide	<7 µg/kg	TM116	<140 M
Dichloromethane	<10 µg/kg	TM116	<200 #
Methyl Tertiary Butyl Ether	<11 µg/kg	TM116	<220 M
trans-1-2-Dichloroethene	<11 µg/kg	TM116	<220 M
1.1-Dichloroethane	<8 µg/kg	TM116	<160 M
cis-1-2-Dichloroethene	<5 µg/kg	TM116	<100 M
2.2-Dichloropropane	<12 µg/kg	TM116	<240 M
Bromochloromethane	<14 µg/kg	TM116	<280 M
Chloroform	<8 µg/kg	TM116	<160 M
1.1.1-Trichloroethane	<7 µg/kg	TM116	<140 M
1.1-Dichloropropene	<11 µg/kg	TM116	<220 M
Carbontetrachloride	<14 µg/kg	TM116	<280 M
1.2-Dichloroethane	<5 µg/kg	TM116	<100 M
Benzene	<9 µg/kg	TM116	<180 M
Trichloroethene	<9 µg/kg	TM116	<180 M
1.2-Dichloropropane	<12 µg/kg	TM116	<240 M
Dibromomethane	<9 µg/kg	TM116	<180 M
Bromodichloromethane	<7 µg/kg	TM116	<140 M
cis-1-3-Dichloropropene	<14 µg/kg	TM116	<280 M
Toluene	<5 µg/kg	TM116	<100 M
trans-1-3-Dichloropropene	<14 µg/kg	TM116	<280
1.1.2-Trichloroethane	<10 µg/kg	TM116	<200 M
1.3-Dichloropropane	<7 µg/kg	TM116	<140 #
Tetrachloroethene	<5 µg/kg	TM116	<100 M
Dibromochloromethane	<13 µg/kg	TM116	<260 M

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

VOC MS (S)

Results Legend

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

Customer Sample R	CATP067
Depth (m)	0.50
Sample Type	Soil/Solid
Date Sampled	29/03/2011
Date Received	30/03/2011
SDG Ref	110330-44
Lab Sample No.(s)	3187416
AGS Reference	

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

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

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	CATP059 NS Z 0.70 SOLID 29/03/2011 00:00:00 30/03/2011 11:12:52 110330-44 3,187,411 TM048	11/4/11	Tomasz Pawlikowski	Typical of asbestos insultation	Not Detected	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Notification of Non-Conforming Work

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3187653	CATP057	2.70	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aromatics >EC5-EC7	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aromatics >EC6-EC7 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aromatics >EC8 -EC10 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Aromatics >EC8-EC10	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Benzene	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Benzene Uncorrected	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	BTEX, Total	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Ethylbenzene	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Ethylbenzene Uncorrected	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO >C10-C12	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO >C5-C10	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO >C5-C12	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO >C5-C6	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO >C6-C7	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO >C6-C8	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO >C7-C8	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO >C8-C10	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO QC	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO TOT (C5-C12) Uncorrected	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C10-C12) raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C5-C6) raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C6-C7) raw	Target Compound outside calibration range

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C7-C8) raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C8-C10) raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	m & p Xylene Uncorrected	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	m,p,o-Xylene	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	m,p-Xylene	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Methyl tertiary butyl ether (MTBE)	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	MTBE Uncorrected	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	o Xylene Uncorrected	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	o-Xylene	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	QC raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	TAME Uncorrected	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	tert-Amyl methyl ether (TAME)	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Toluene	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Toluene Uncorrected	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Total Aliphatics >C5-C12	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Total Aliphatics C5-C12 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Total Aromatics >EC5-EC12	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Total Aromatics >EC6-EC12 raw	Target Compound outside calibration range
3187708	CATP031	0.20	SOLID	GRO by GC-FID (S)	Trace	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aromatics >EC5-EC7	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aromatics >EC6-EC7 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aromatics >EC8 -EC10 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Aromatics >EC8-EC10	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Benzene	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Benzene Uncorrected	Target Compound outside calibration range

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	BTEX, Total	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Ethylbenzene	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Ethylbenzene Uncorrected	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO >C10-C12	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO >C5-C10	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO >C5-C12	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO >C5-C6	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO >C6-C7	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO >C6-C8	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO >C7-C8	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO >C8-C10	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO QC	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO TOT (C5-C12) Uncorrected	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C10-C12) raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C5-C6) raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C6-C7) raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C7-C8) raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	GRO_bandC (>C8-C10) raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	m & p Xylene Uncorrected	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	m,p,o-Xylene	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	m,p-Xylene	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Methyl tertiary butyl ether (MTBE)	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	MTBE Uncorrected	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	o Xylene Uncorrected	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	o-Xylene	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	QC raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	TAME Uncorrected	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	tert-Amyl methyl ether (TAME)	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Toluene	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Toluene Uncorrected	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Total Aliphatics >C5-C12	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Total Aliphatics C5-C12 raw	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Total Aromatics >EC5-EC12	Target Compound outside calibration range
3188036	CATP036	1.20	SOLID	GRO by GC-FID (S)	Total Aromatics >EC6-EC12 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12 raw	Target Compound outside calibration range

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aromatics >EC5-EC7	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aromatics >EC6-EC7 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aromatics >EC8 -EC10 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Aromatics >EC8-EC10	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Benzene	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Benzene Uncorrected	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	BTEX, Total	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Ethylbenzene	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Ethylbenzene Uncorrected	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO >C10-C12	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO >C5-C10	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO >C5-C12	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO >C5-C6	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO >C6-C7	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO >C6-C8	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO >C7-C8	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO >C8-C10	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO QC	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO TOT (C5-C12) Uncorrected	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO_bandC (>C10-C12) raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO_bandC (>C5-C6) raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO_bandC (>C6-C7) raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO_bandC (>C7-C8) raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	GRO_bandC (>C8-C10) raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	m & p Xylene Uncorrected	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	m,p,o-Xylene	Target Compound outside calibration range

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	m,p-Xylene	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Methyl tertiary butyl ether (MTBE)	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	MTBE Uncorrected	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	o Xylene Uncorrected	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	o-Xylene	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	QC raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	TAME Uncorrected	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	tert-Amyl methyl ether (TAME)	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Toluene	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Toluene Uncorrected	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Total Aliphatics >C5-C12	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Total Aliphatics C5-C12 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Total Aromatics >EC5-EC12	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Total Aromatics >EC6-EC12 raw	Target Compound outside calibration range
3188052	CATP035	1.30	SOLID	GRO by GC-FID (S)	Trace	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aliphatics >C10-C12 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aliphatics >C5-C6 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aliphatics >C6-C8 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aliphatics >C8-C10 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aromatics >EC10-EC12 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aromatics >EC5-EC7	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aromatics >EC6-EC7 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aromatics >EC7-EC8 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aromatics >EC8 -EC10 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Aromatics >EC8-EC10	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Benzene	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Benzene Uncorrected	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	BTEX, Total	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Ethylbenzene	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Ethylbenzene Uncorrected	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO >C10-C12	Target Compound outside calibration range

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO >C5-C10	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO >C5-C12	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO >C5-C6	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO >C6-C7	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO >C6-C8	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO >C7-C8	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO >C8-C10	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO QC	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO Surrogate % recovery**	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO TOT (C5-C12) Uncorrected	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO_bandC (>C10-C12) raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO_bandC (>C5-C6) raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO_bandC (>C6-C7) raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO_bandC (>C7-C8) raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	GRO_bandC (>C8-C10) raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	m & p Xylene Uncorrected	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	m,p,o-Xylene	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	m,p-Xylene	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Methyl tertiary butyl ether (MTBE)	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	MTBE Uncorrected	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	o Xylene Uncorrected	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	o-Xylene	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	QC raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	TAME Uncorrected	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	tert-Amyl methyl ether (TAME)	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Toluene	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Toluene Uncorrected	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Total Aliphatics >C5-C12	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Total Aliphatics C5-C12 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Total Aromatics >EC5-EC12	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Total Aromatics >EC6-EC12 raw	Target Compound outside calibration range
3188352	CATP062	1.00	SOLID	GRO by GC-FID (S)	Trace	Target Compound outside calibration range
3188040	CATP036	2.70	SOLID	VOC MS (S)	1,1,2-Trichloro-1,2,2-Trifluoroethane (TIC)	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188040	CATP036	2.70	SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Dilution	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	LCS Reagent	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	TIC Instructions	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Trichlorofluoromethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Trichlorofluorormethane	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace
3188040	CATP036	2.70	SOLID	VOC MS (S)	VOC TIC	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1,1,2-Trichloro-1,2,2-Trifluoroethane (TIC)	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Carbon Disulphide	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188184	CATP044	2.00	SOLID	VOC MS (S)	Dilution	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	TIC Instructions	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Trichlorofluoromethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Trichlorofluorormethane	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace
3188184	CATP044	2.00	SOLID	VOC MS (S)	VOC TIC	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1,1,2-Trichloro-1,2,2-Trifluoroethane (TIC)	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.1.1.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.1.1-Trichloroethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.1.2.2-Tetrachloroethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.1.2-Trichloroethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.1-Dichloroethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.1-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.1-Dichloropropene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2.3-Trichlorobenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2.3-Trichloropropane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2.4-Trichlorobenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2.4-Trimethylbenzene	Volatile Analysis performed on vessel with headspace

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2-Dibromo-3-chloropropane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2-Dibromoethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2-Dichloroethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.2-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.3.5-Trimethylbenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.3-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.3-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	1.4-Dichlorobenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	2.2-Dichloropropane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	2-Chlorotoluene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	4-Bromofluorobenzene**	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	4-Chlorotoluene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	4-Isopropyltoluene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Benzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Bromobenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Bromochloromethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Bromodichloromethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Bromoform	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Bromomethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Carbon disulphide	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Carbontetrachloride	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Chlorobenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Chloroethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Chloroform	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Chloromethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	cis-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	cis-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Dibromochloromethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Dibromofluoromethane**	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Dibromomethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Dichlorodifluoromethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Dichloromethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Dilution	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Ethylbenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Hexachlorobutadiene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Isopropylbenzene	Volatile Analysis performed on vessel with headspace

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Sample Number	Customer Sample Ref.	Depth (m)	Matrix	Test Name	Component Name	Comment
3188249	CATP045	1.50	SOLID	VOC MS (S)	LCS Reagent	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Methyl Tertiary Butyl Ether	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Naphthalene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	n-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	o-Xylene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	p/m-Xylene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Propylbenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	sec-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Styrene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Tert-amyl methyl ether	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	tert-Butylbenzene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Tetrachloroethene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	TIC Instructions	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Toluene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Toluene-d8**	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	trans-1-2-Dichloroethene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	trans-1-3-Dichloropropene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Trichloroethene	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Trichlorofluoromethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Trichlorofluorormethane	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	Vinyl Chloride	Volatile Analysis performed on vessel with headspace
3188249	CATP045	1.50	SOLID	VOC MS (S)	VOC TIC	Volatile Analysis performed on vessel with headspace

Note : Test results may be invalid

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Table of Results - Appendix

REPORT KEY

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

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

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

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
PM001		Preparation of Samples for Metals Analysis		
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material		
TM001	In - house Method	Determination of asbestos containing material by screening on solids		
TM019	Modified: US EPA Method 9056	Determination of Anions in Soils using Ion Chromatography		
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		
TM168	EPA Method 8082, Polychlorinated Biphenyls by Gas Chromatography	Determination of WHO12 and EC7 Polychlorinated Biphenyl Congeners by GC-MS in Soils		
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		
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers		
TM224	US EPA Method 6010B	Determination of Alkaline Metals by iCap 6500 Duo ICP-OES		
TM243				

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

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Test Completion Dates

Lab Sample No(s)	3187361	3187362	3187364	3187365	3187366	3187367	3187369	3187370	3187371	3187372
Customer Sample Ref.	CATP027	CATP027	CATP027	CATP028	CATP028	CATP029	CATP029	CATP029	CATP029	CATP030
AGS Ref.										
Depth	0.30	1.00	2.50	0.10	0.70	0.40	0.80	1.50	2.50	0.10
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	08-Apr-2011	11-Apr-2011	06-Apr-2011	12-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	06-Apr-2011	12-Apr-2011
Anions by Kone (soil)	11-Apr-2011	12-Apr-2011	11-Apr-2011	12-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	07-Apr-2011	12-Apr-2011
Asbestos Containing Material Screen	05-Apr-2011	05-Apr-2011		05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011			05-Apr-2011
EPH CWG (Aliphatic) GC (S)	11-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	07-Apr-2011	08-Apr-2011
EPH CWG (Aromatic) GC (S)	11-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	07-Apr-2011	08-Apr-2011
GRO by GC-FID (S)	11-Apr-2011	09-Apr-2011	09-Apr-2011	09-Apr-2011	09-Apr-2011	11-Apr-2011	09-Apr-2011	09-Apr-2011	09-Apr-2011	09-Apr-2011
Metals by iCap-OES (Soil)	08-Apr-2011	08-Apr-2011	06-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	06-Apr-2011	08-Apr-2011
NO3, NO2 and TON by KONE (s)	12-Apr-2011	12-Apr-2011	08-Apr-2011	12-Apr-2011	08-Apr-2011	12-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	12-Apr-2011
pH	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
Sample description	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011
Semi Volatile Organic Compounds	08-Apr-2011	08-Apr-2011	06-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	06-Apr-2011	08-Apr-2011
Total Organic Carbon	06-Apr-2011	06-Apr-2011	06-Apr-2011						06-Apr-2011	06-Apr-2011
TPH CWG GC (S)	11-Apr-2011	09-Apr-2011	09-Apr-2011	09-Apr-2011	09-Apr-2011	11-Apr-2011	09-Apr-2011	11-Apr-2011	09-Apr-2011	09-Apr-2011
VOC MS (S)	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011

Lab Sample No(s)	3187373	3187374	3187375	3187376	3187377	3187378	3187379	3187380	3187381	3187424
Customer Sample Ref.	CATP030	CATP030	CATP031	CATP031	CATP031	CATP031	CATP033	CATP033	CATP033	CATP034
AGS Ref.										
Depth	0.80	1.50	0.20	0.60	1.20	2.20	0.40	0.90	1.50	0.50
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	11-Apr-2011	06-Apr-2011	11-Apr-2011	11-Apr-2011	07-Apr-2011	07-Apr-2011	12-Apr-2011	12-Apr-2011	06-Apr-2011	12-Apr-2011
Anions by Kone (soil)	12-Apr-2011	07-Apr-2011	12-Apr-2011	12-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	13-Apr-2011	11-Apr-2011	12-Apr-2011
Asbestos Containing Material Screen	05-Apr-2011		05-Apr-2011	05-Apr-2011			05-Apr-2011	05-Apr-2011		05-Apr-2011
EPH CWG (Aliphatic) GC (S)	08-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	12-Apr-2011	07-Apr-2011	11-Apr-2011
EPH CWG (Aromatic) GC (S)	08-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	12-Apr-2011	07-Apr-2011	11-Apr-2011
GRO by GC-FID (S)	10-Apr-2011	08-Apr-2011	09-Apr-2011	09-Apr-2011	08-Apr-2011	08-Apr-2011	09-Apr-2011	09-Apr-2011	08-Apr-2011	08-Apr-2011
Metals by iCap-OES (Soil)	08-Apr-2011	06-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	12-Apr-2011	06-Apr-2011	08-Apr-2011
NO3, NO2 and TON by KONE (s)	12-Apr-2011	08-Apr-2011	12-Apr-2011	12-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	12-Apr-2011	08-Apr-2011	12-Apr-2011
pH	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
Sample description	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	04-Apr-2011
Semi Volatile Organic Compounds	07-Apr-2011	06-Apr-2011	07-Apr-2011	07-Apr-2011	06-Apr-2011	06-Apr-2011	11-Apr-2011	11-Apr-2011	06-Apr-2011	11-Apr-2011
Total Organic Carbon	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	08-Apr-2011	08-Apr-2011
TPH CWG GC (S)	10-Apr-2011	08-Apr-2011	09-Apr-2011	09-Apr-2011	08-Apr-2011	08-Apr-2011	09-Apr-2011	12-Apr-2011	08-Apr-2011	11-Apr-2011
VOC MS (S)	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	07-Apr-2011	06-Apr-2011	06-Apr-2011

Lab Sample No(s)	3187422	3187423	3187419	3187420	3187421	3187426	3187427	3187382	3187383	3187428
Customer Sample Ref.	CATP035	CATP035	CATP036	CATP036	CATP036	CATP041	CATP041	CATP043	CATP043	CATP044
AGS Ref.										
Depth	0.50	1.30	0.90	1.20	2.70	0.50	1.10	0.20	0.80	0.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	08-Apr-2011	07-Apr-2011	07-Apr-2011	11-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	12-Apr-2011	08-Apr-2011	07-Apr-2011
Anions by Kone (soil)	11-Apr-2011	11-Apr-2011	11-Apr-2011	08-Apr-2011	11-Apr-2011	08-Apr-2011	11-Apr-2011	12-Apr-2011	11-Apr-2011	11-Apr-2011
Asbestos Containing Material Screen	05-Apr-2011		05-Apr-2011			05-Apr-2011		05-Apr-2011	05-Apr-2011	05-Apr-2011
EPH CWG (Aliphatic) GC (S)	08-Apr-2011	08-Apr-2011	11-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011
EPH CWG (Aromatic) GC (S)	08-Apr-2011	08-Apr-2011	11-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011
GRO by GC-FID (S)	11-Apr-2011	09-Apr-2011	08-Apr-2011	12-Apr-2011	09-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011
Metals by iCap-OES (Soil)	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011
NO3, NO2 and TON by KONE (s)	12-Apr-2011	12-Apr-2011	12-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	12-Apr-2011	08-Apr-2011	08-Apr-2011
PCBs by GCMS						08-Apr-2011	08-Apr-2011			
pH	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
Sample description	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	04-Apr-2011	01-Apr-2011	01-Apr-2011	04-Apr-2011
Semi Volatile Organic Compounds	08-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	06-Apr-2011	11-Apr-2011	06-Apr-2011	07-Apr-2011	07-Apr-2011	06-Apr-2011
Total Organic Carbon	06-Apr-2011									
TPH CWG GC (S)	11-Apr-2011	09-Apr-2011	11-Apr-2011	12-Apr-2011	09-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011
VOC MS (S)	06-Apr-2011	07-Apr-2011	06-Apr-2011	06-Apr-2011	07-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Lab Sample No(s)	3187431	3187432	3187435	3187436	3187385	3187386	3187387	3187389	3187390	3187392
Customer Sample Ref.	CATP044	CATP044	CATP045	CATP045	CATP046	CATP046	CATP046	CATP047	CATP047	CATP048
AGS Ref.										
Depth	2.00	3.00	1.00	1.50	0.90	1.60	3.00	1.50	2.20	0.70
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	07-Apr-2011	07-Apr-2011	06-Apr-2011	06-Apr-2011	08-Apr-2011	06-Apr-2011	06-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
Anions by ion Chromatography		12-Apr-2011								
Anions by Kone (soil)	08-Apr-2011		07-Apr-2011	07-Apr-2011	11-Apr-2011	07-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011
Asbestos Containing Material Screen					05-Apr-2011			05-Apr-2011		05-Apr-2011
EPH CWG (Aliphatic) GC (S)	08-Apr-2011	07-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
EPH CWG (Aromatic) GC (S)	08-Apr-2011	07-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
GRO by GC-FID (S)	11-Apr-2011	09-Apr-2011	09-Apr-2011	11-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011
Metals by iCap-OES (Soil)	07-Apr-2011	07-Apr-2011	06-Apr-2011	06-Apr-2011	08-Apr-2011	06-Apr-2011	06-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
NO3, NO2 and TON by KONE (s)	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011
pH	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
Sample description	04-Apr-2011	04-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011	01-Apr-2011
Semi Volatile Organic Compounds	11-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	07-Apr-2011	06-Apr-2011	06-Apr-2011	07-Apr-2011	06-Apr-2011	07-Apr-2011
Total Organic Carbon						08-Apr-2011	08-Apr-2011		06-Apr-2011	
TPH CWG GC (S)	11-Apr-2011	09-Apr-2011	09-Apr-2011	11-Apr-2011	08-Apr-2011	11-Apr-2011	08-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011
VOC MS (S)	08-Apr-2011	06-Apr-2011	06-Apr-2011	08-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011	06-Apr-2011

Lab Sample No(s)	3187394	3187395	3187396	3187397	3187398	3187400	3187402	3187403	3187405	3187406
Customer Sample Ref.	CATP048	CATP050	CATP051	CATP051	CATP052	CATP054	CATP054	CATP057	CATP057	CATP058
AGS Ref.										
Depth	2.30	0.30	0.20	0.60	0.30	0.80	1.50	0.40	2.70	0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	07-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	07-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011
Anions by Kone (soil)	11-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	12-Apr-2011	07-Apr-2011	12-Apr-2011	07-Apr-2011	12-Apr-2011
Asbestos Containing Material Screen		05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011		05-Apr-2011		05-Apr-2011
EPH CWG (Aliphatic) GC (S)	07-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011
EPH CWG (Aromatic) GC (S)	07-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011
GRO by GC-FID (S)	08-Apr-2011	09-Apr-2011	09-Apr-2011	10-Apr-2011	09-Apr-2011	09-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	08-Apr-2011
Metals by iCap-OES (Soil)	07-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011	07-Apr-2011	08-Apr-2011
NO3, NO2 and TON by KONE (s)	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	12-Apr-2011	08-Apr-2011	12-Apr-2011	08-Apr-2011	12-Apr-2011
pH	07-Apr-2011	08-Apr-2011	08-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011	07-Apr-2011
Sample description	01-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011	05-Apr-2011
Semi Volatile Organic Compounds	06-Apr-2011	07-Apr-2011	07-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	06-Apr-2011	08-Apr-2011	06-Apr-2011	08-Apr-2011
TPH CWG GC (S)	08-Apr-2011	09-Apr-2011	09-Apr-2011	11-Apr-2011	09-Apr-2011	09-Apr-2011	08-Apr-2011	08-Apr-2011	11-Apr-2011	08-Apr-2011
VOC MS (S)	06-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	08-Apr-2011	12-Apr-2011	08-Apr-2011	07-Apr-2011	11-Apr-2011	08-Apr-2011

Lab Sample No(s)	3187407	3187410	3187411	3187412	3187447	3187448	3187452	3187454	3187413	3187414
Customer Sample Ref.	CATP058	CATP058	CATP059	CATP059	CATP062	CATP062	CATP063	CATP064	CATP065	CATP066
AGS Ref.										
Depth	0.90	2.30	0.70	1.20	0.50	1.00	1.30	0.50	0.40	0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	07-Apr-2011	07-Apr-2011		07-Apr-2011				11-Apr-2011	08-Apr-2011	08-Apr-2011
Anions by Kone (soil)	11-Apr-2011	11-Apr-2011		11-Apr-2011					11-Apr-2011	12-Apr-2011
Asbestos Containing Material Screen	05-Apr-2011		05-Apr-2011						05-Apr-2011	05-Apr-2011
Asbestos Identification			11-Apr-2011							
EPH CWG (Aliphatic) GC (S)	07-Apr-2011	07-Apr-2011		07-Apr-2011					08-Apr-2011	08-Apr-2011
EPH CWG (Aromatic) GC (S)	07-Apr-2011	07-Apr-2011		07-Apr-2011					08-Apr-2011	08-Apr-2011
GRO by GC-FID (S)	08-Apr-2011	08-Apr-2011		11-Apr-2011	09-Apr-2011	09-Apr-2011	09-Apr-2011	08-Apr-2011	09-Apr-2011	08-Apr-2011
Metals by iCap-OES (Soil)	07-Apr-2011	07-Apr-2011		07-Apr-2011					08-Apr-2011	08-Apr-2011
NO3, NO2 and TON by KONE (s)	08-Apr-2011	08-Apr-2011		08-Apr-2011					08-Apr-2011	12-Apr-2011
pH	07-Apr-2011	07-Apr-2011		07-Apr-2011					07-Apr-2011	07-Apr-2011
Sample description	05-Apr-2011	05-Apr-2011		05-Apr-2011					05-Apr-2011	05-Apr-2011
Semi Volatile Organic Compounds	07-Apr-2011	07-Apr-2011		06-Apr-2011					07-Apr-2011	08-Apr-2011
TPH CWG GC (S)	08-Apr-2011	08-Apr-2011		11-Apr-2011					09-Apr-2011	08-Apr-2011
VOC MS (S)	11-Apr-2011	11-Apr-2011		11-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	11-Apr-2011	08-Apr-2011	11-Apr-2011

CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Lab Sample No(s)	3187415	3187416
Customer Sample Ref.	CATP066	CATP067
AGS Ref.		
Depth	0.80	0.50
Type	SOLID	SOLID
Alkali Metals by iCap-OES (Soil)	08-Apr-2011	
Anions by Kone (soil)	11-Apr-2011	
Asbestos Containing Material Screen	05-Apr-2011	05-Apr-2011
EPH CWG (Aliphatic) GC (S)	08-Apr-2011	
EPH CWG (Aromatic) GC (S)	08-Apr-2011	
GRO by GC-FID (S)	10-Apr-2011	09-Apr-2011
Metals by iCap-OES (Soil)	08-Apr-2011	
NO3, NO2 and TON by KONE (s)	12-Apr-2011	
pH	08-Apr-2011	07-Apr-2011
Sample description	05-Apr-2011	
Semi Volatile Organic Compounds	08-Apr-2011	
TPH CWG GC (S)	10-Apr-2011	
VOC MS (S)	08-Apr-2011	11-Apr-2011

CERTIFICATE OF ANALYSIS

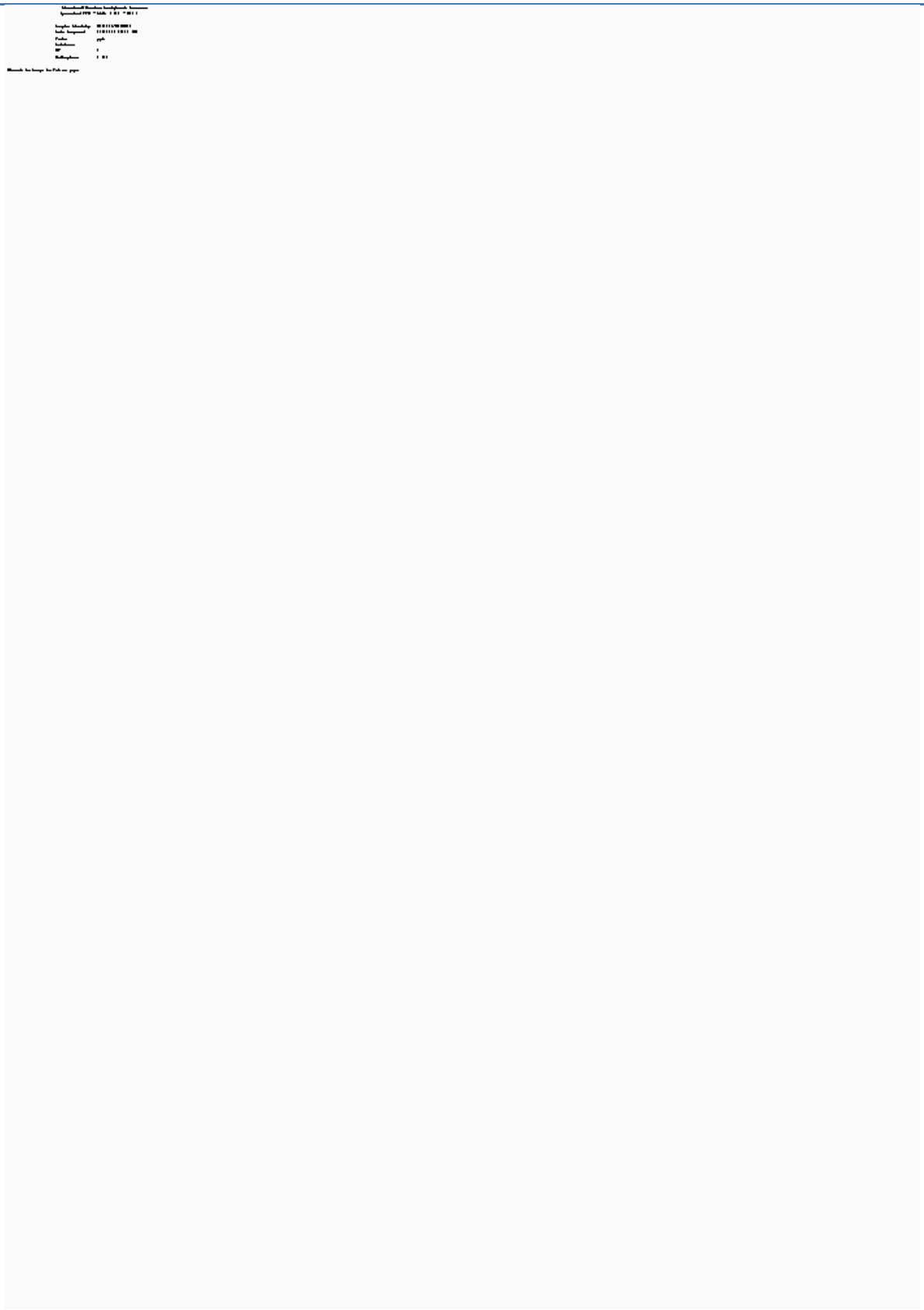
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3230677
Sample ID : CATP033

Depth : 0.90



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

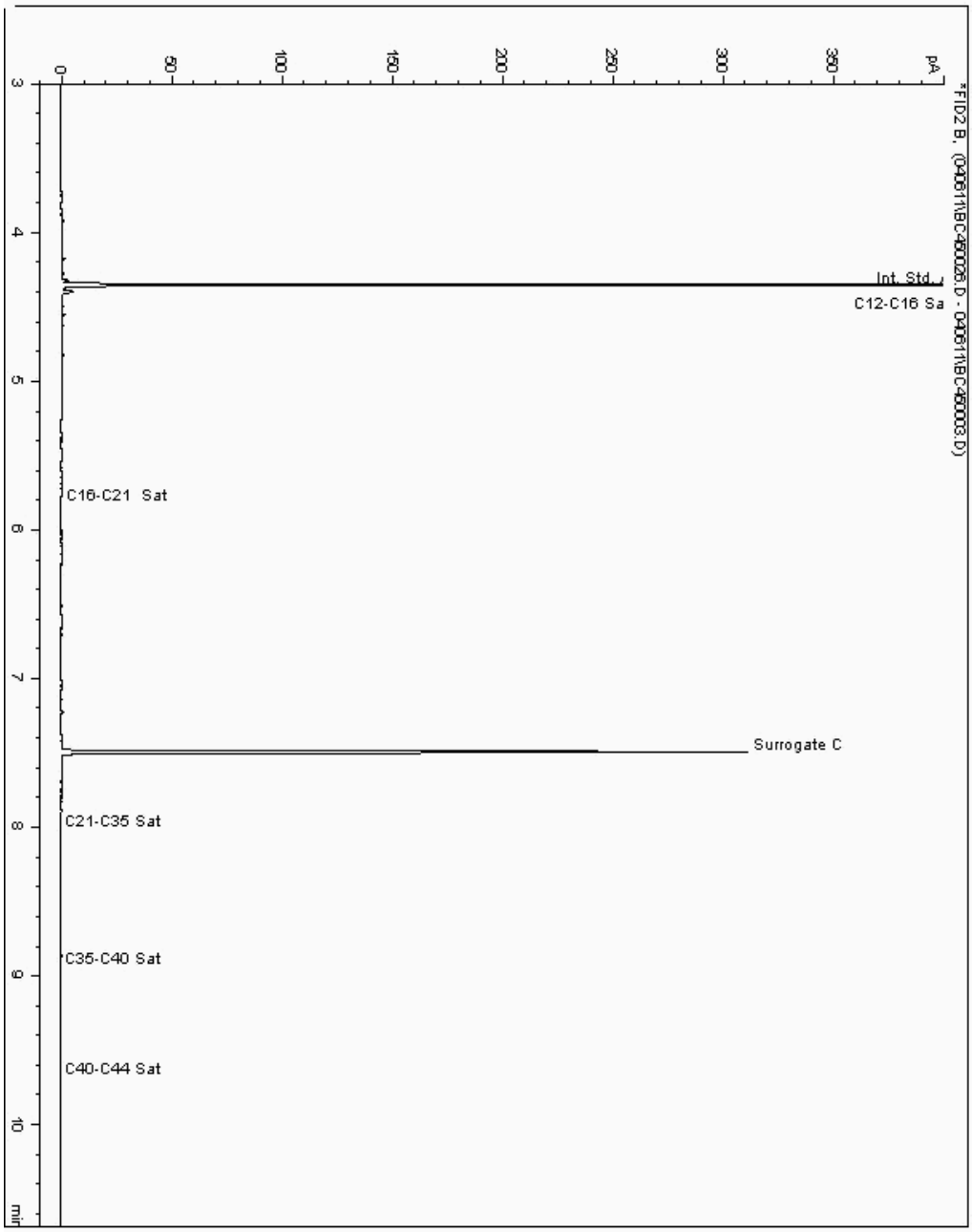
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3234868
Sample ID : CATP046

Depth : 3.00

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

Sample Identity: 3270814-3234868
Date Acquired : 07/04/11 00:34:15 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

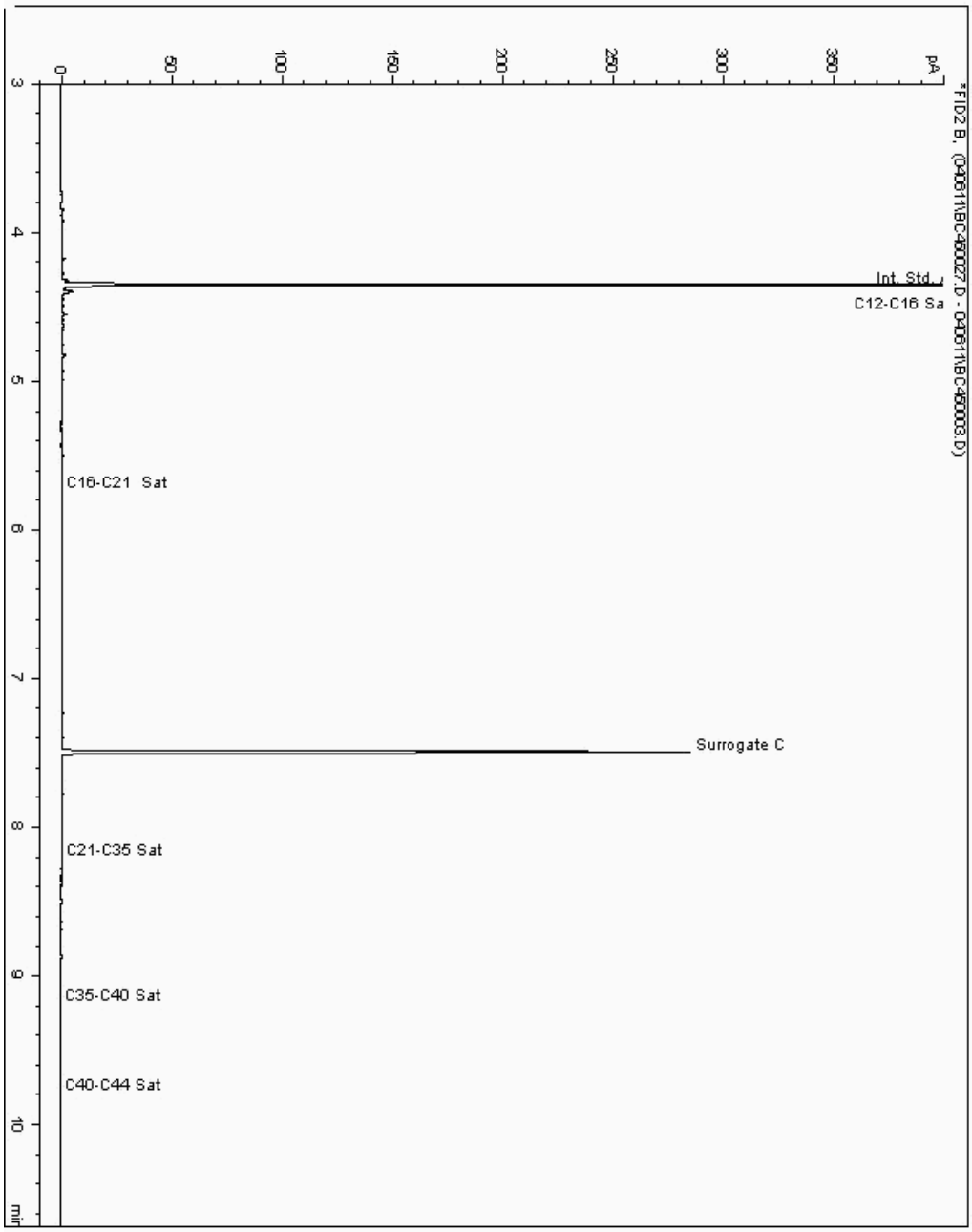
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3234885 **Depth :** 2.50

Sample ID : CATP027

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

Sample Identity: 3270449-3234885
Date Acquired : 07/04/11 00:54:47 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

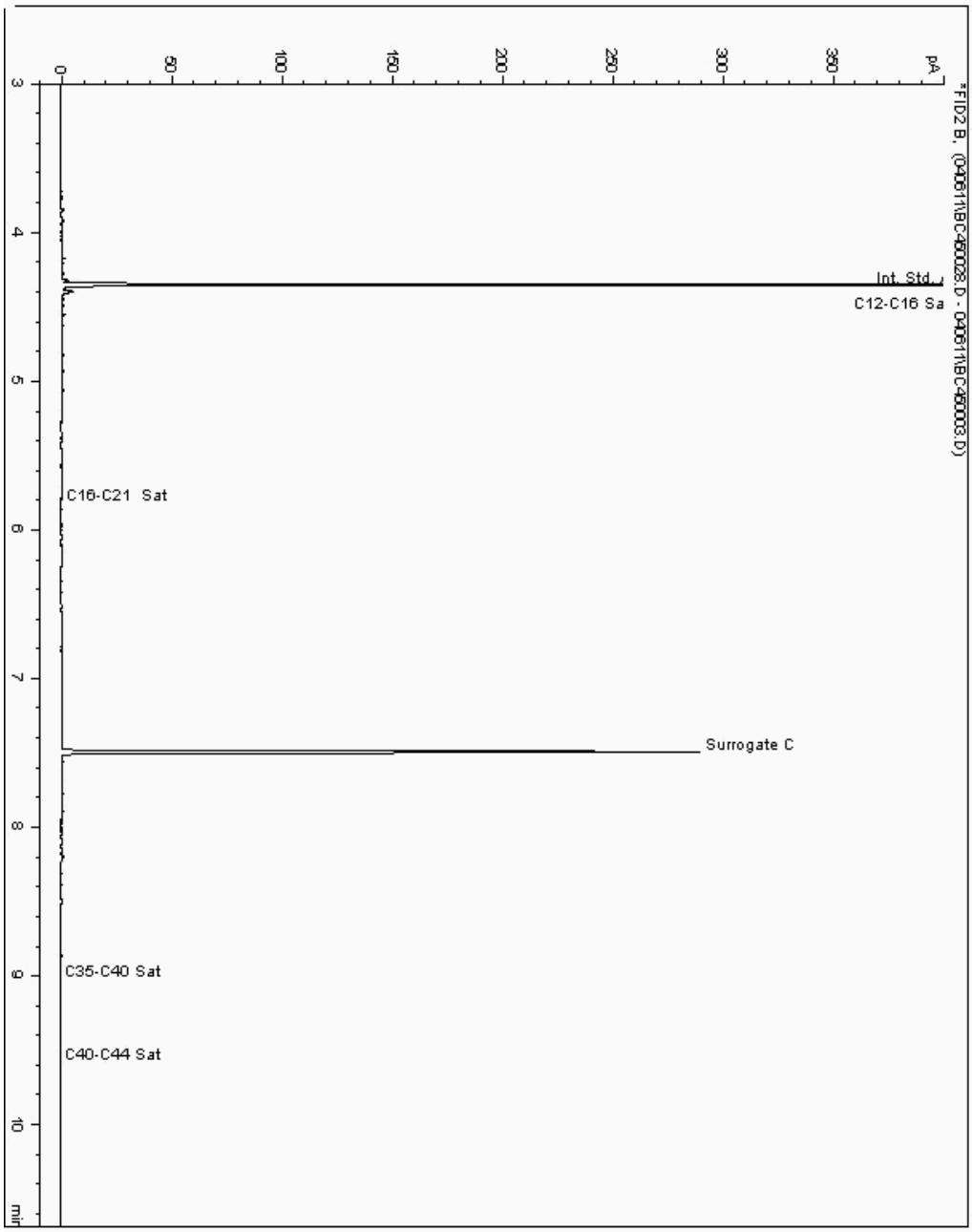
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3234905 **Depth :** 1.50

Sample ID : CATP033

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

Sample Identity: 3270720-3234905
Date Acquired : 07/04/11 01:15:00 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

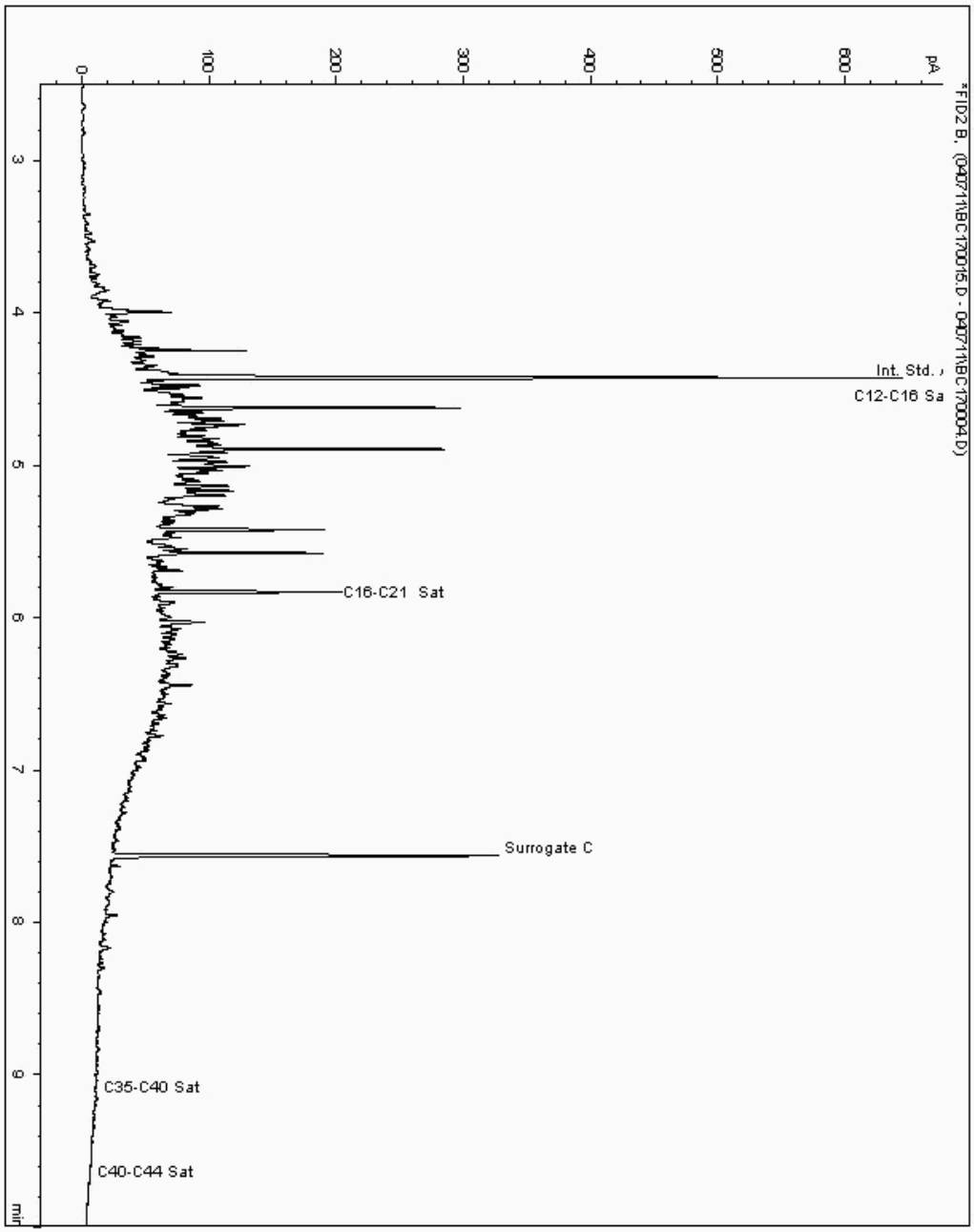
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3234939
Sample ID : CATP062

Depth : 1.00

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

Sample Identity: 3272106-3234939
Date Acquired : 07/04/11 19:40:48 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.040



CERTIFICATE OF ANALYSIS

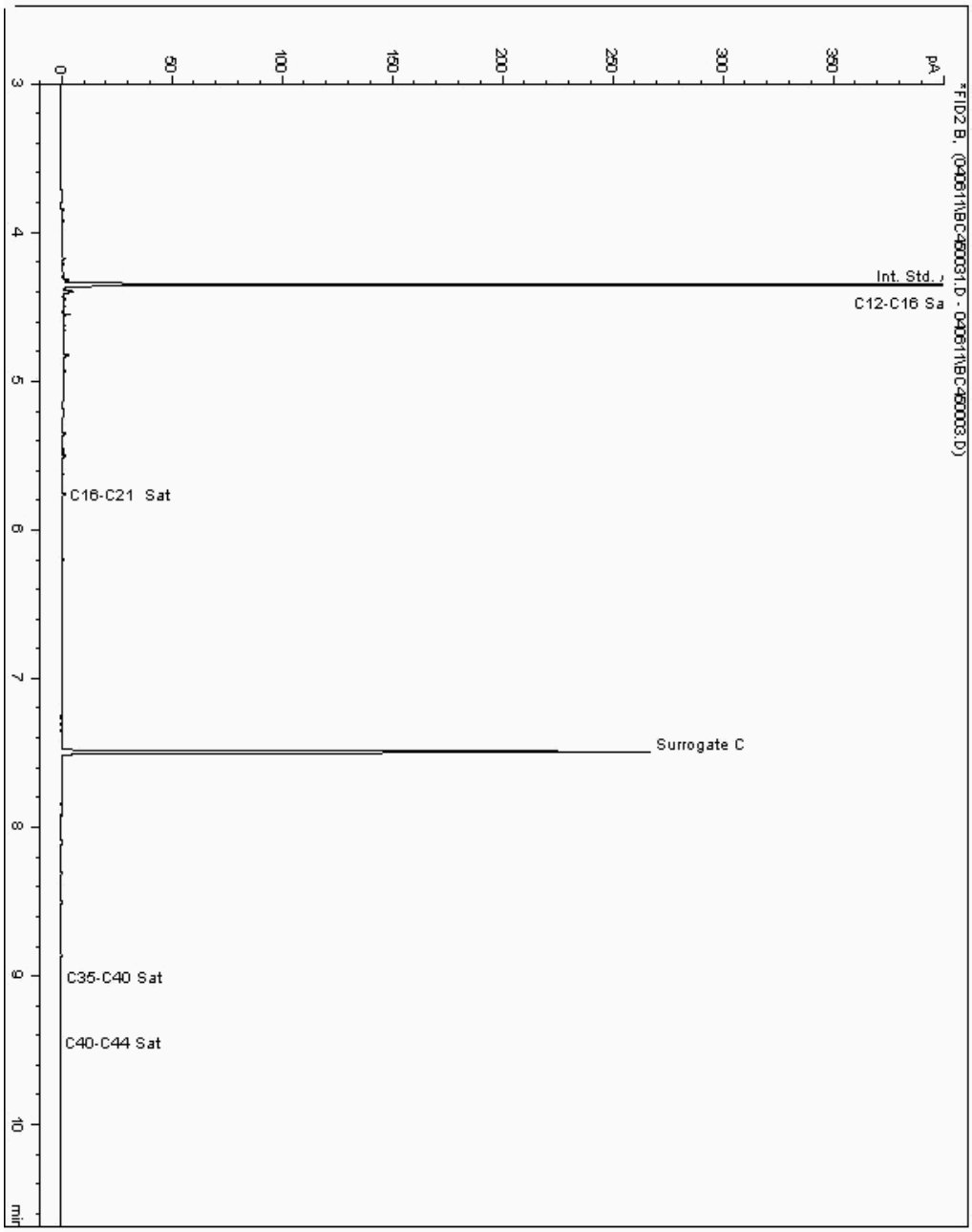
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3234990 **Depth :** 1.50
Sample ID : CATP030

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

Sample Identity: 3270610-3234990
Date Acquired : 07/04/11 02:05:55 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

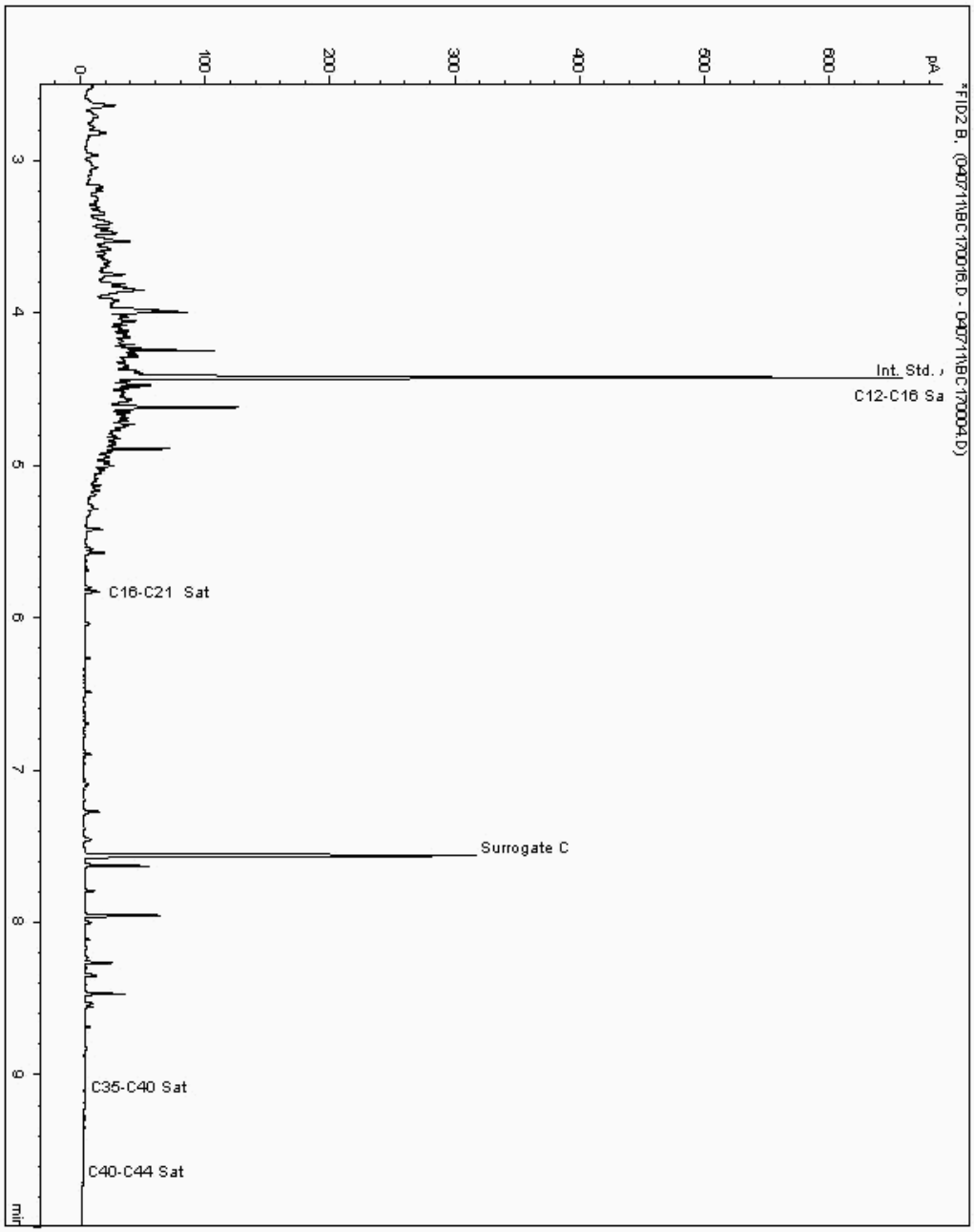
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3235025
Sample ID : CATP045

Depth : 1.50

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

Sample Identity: 3271689-3235025
Date Acquired : 07/04/11 20:00:55 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.010



CERTIFICATE OF ANALYSIS

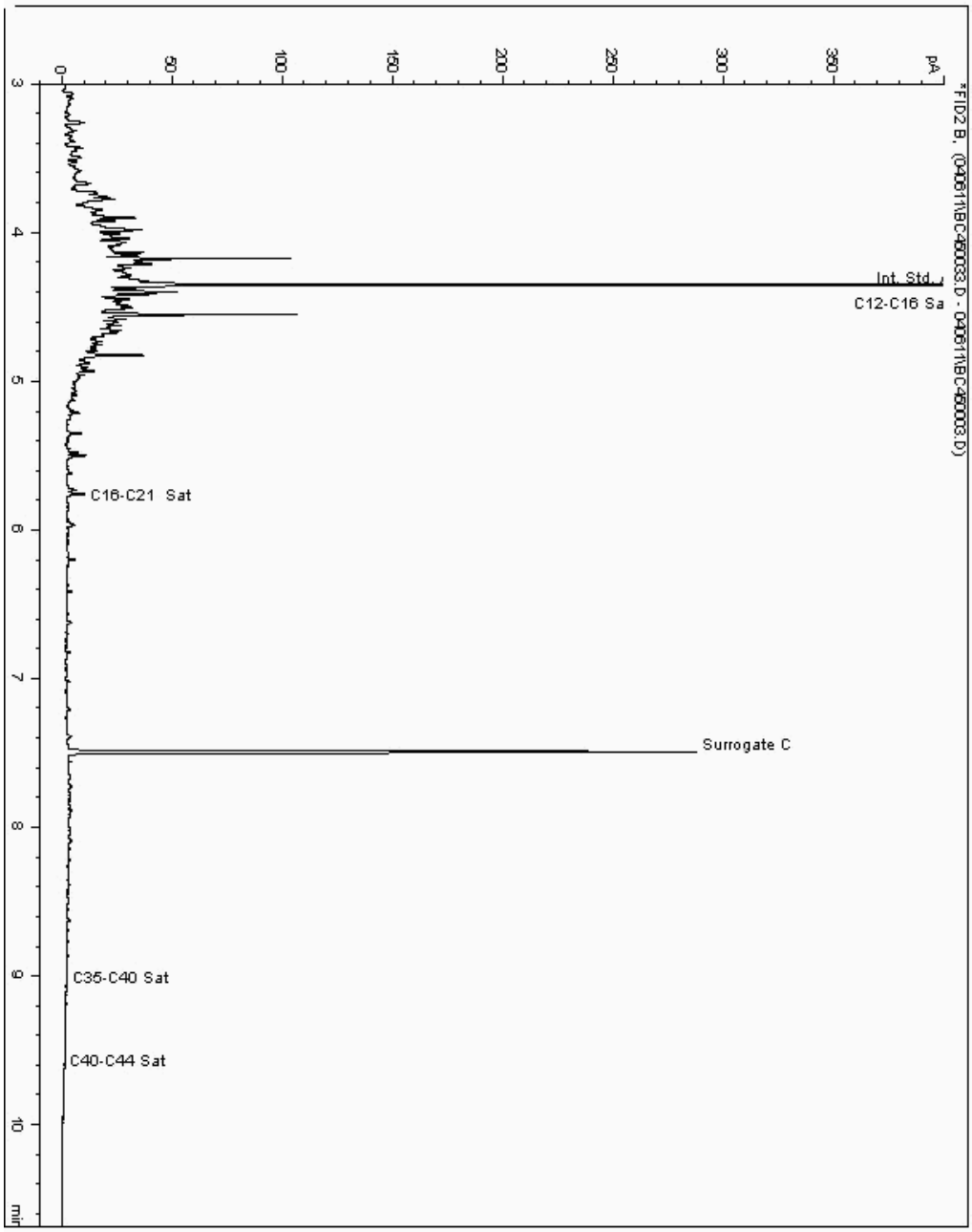
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3235036 **Depth :** 1.00
Sample ID : CATP045

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

Sample Identity: 3271655-3235036
Date Acquired : 07/04/11 02:46:16 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

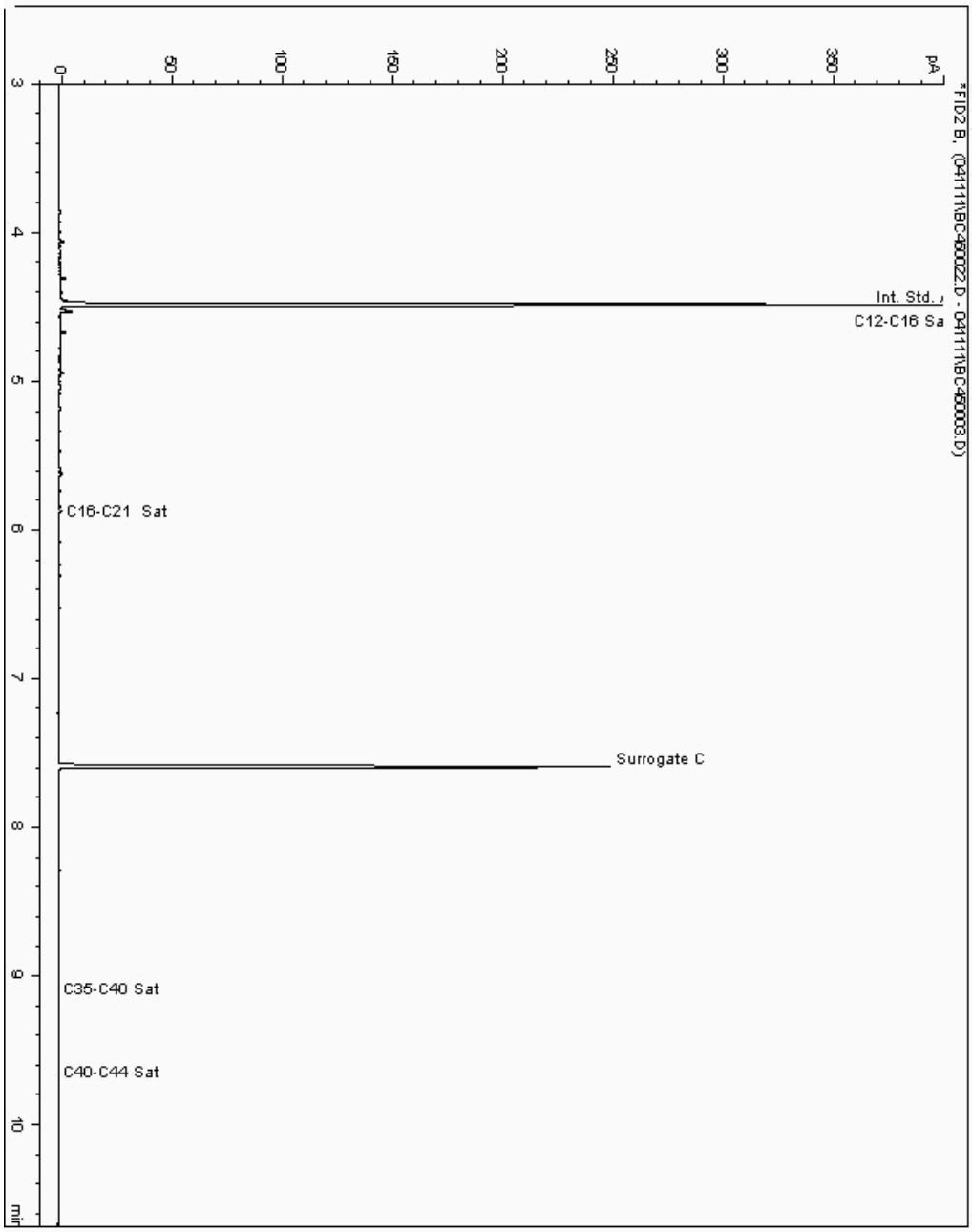
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3235053 **Depth :** 1.60
Sample ID : CATP046

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

Sample Identity: 3270790-3235053
Date Acquired : 11/04/11 16:37:15 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

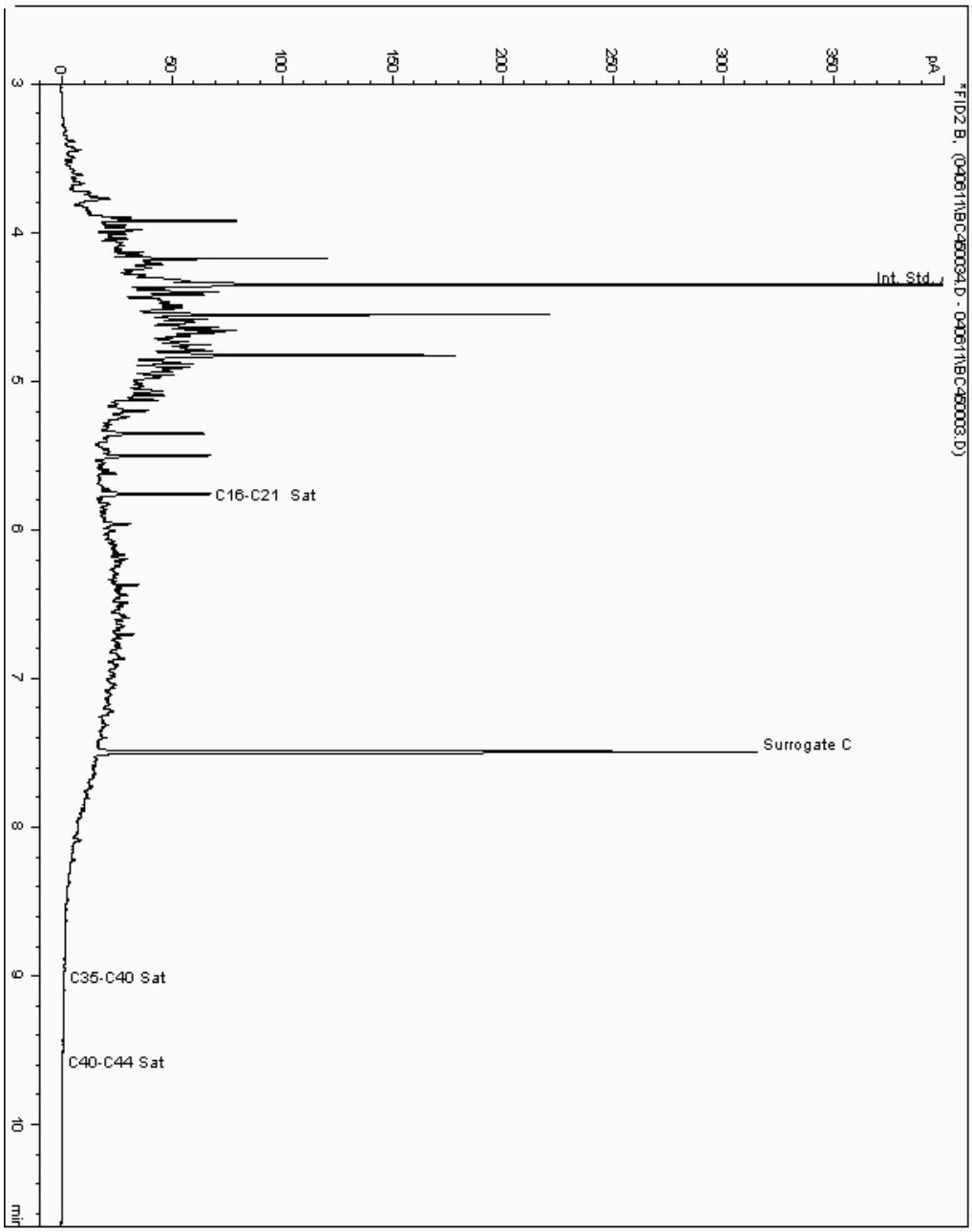
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3235111 **Depth :** 2.70

Sample ID : CATP057

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

Sample Identity: 3271164-3235111
Date Acquired : 07/04/11 03:06:38 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

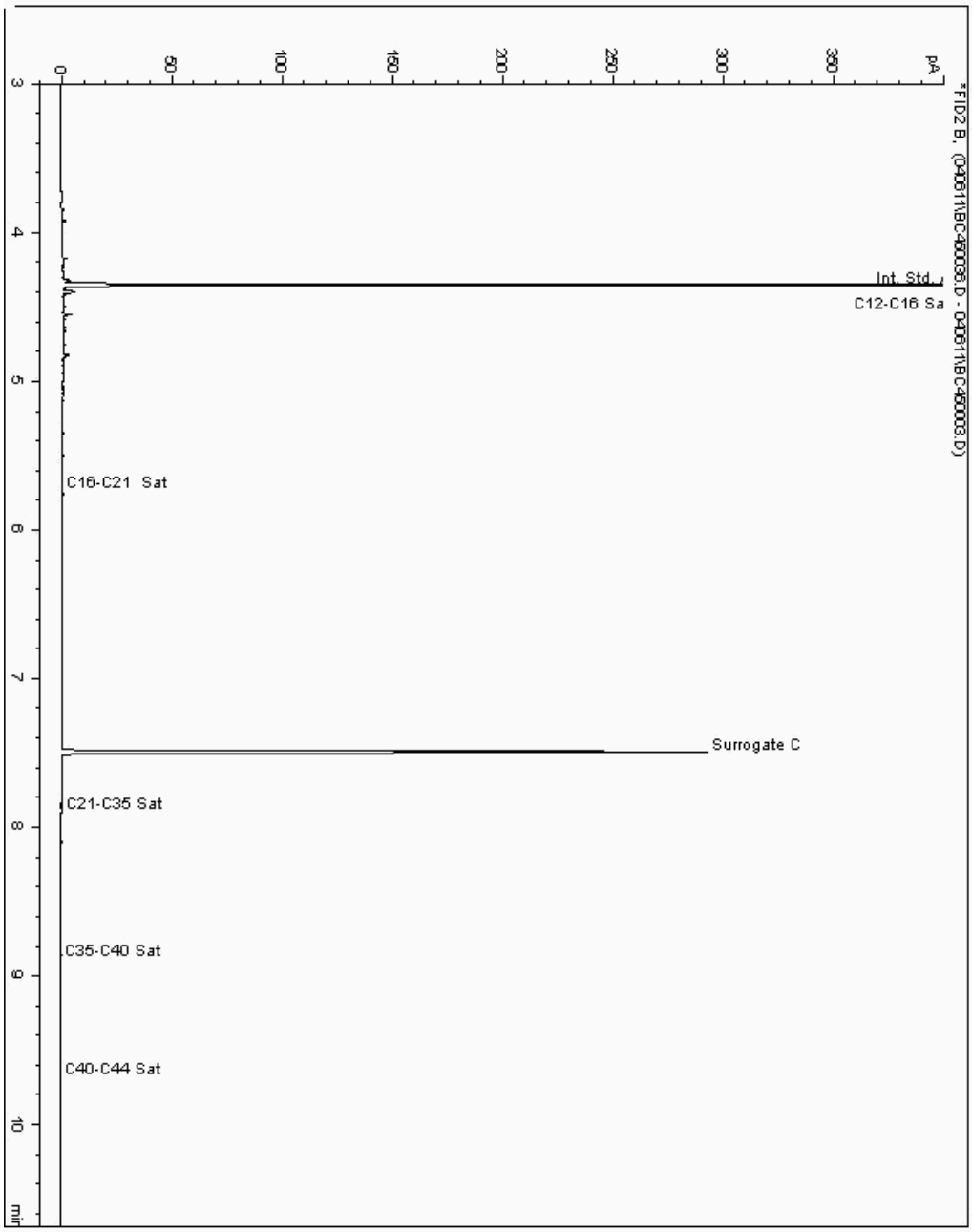
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3235259 **Depth :** 2.50
Sample ID : CATP029

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

Sample Identity: 3270551-3235259
Date Acquired : 07/04/11 03:37:01 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

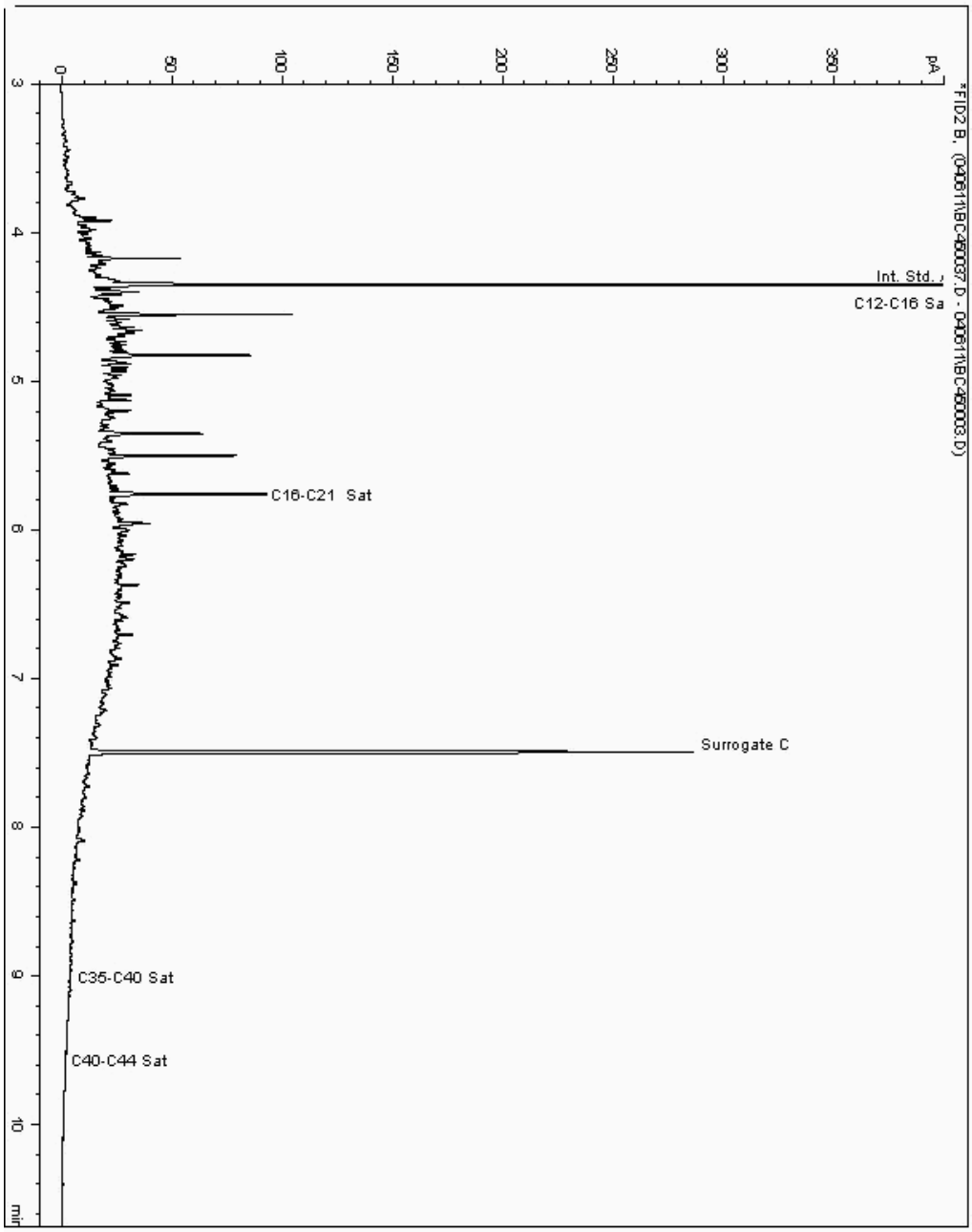
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3235279 **Depth :** 1.40

Sample ID : CATP062

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

Sample Identity: 3272156-3235279
Date Acquired : 07/04/11 03:57:13 PM
Units : ppb
Dilution:

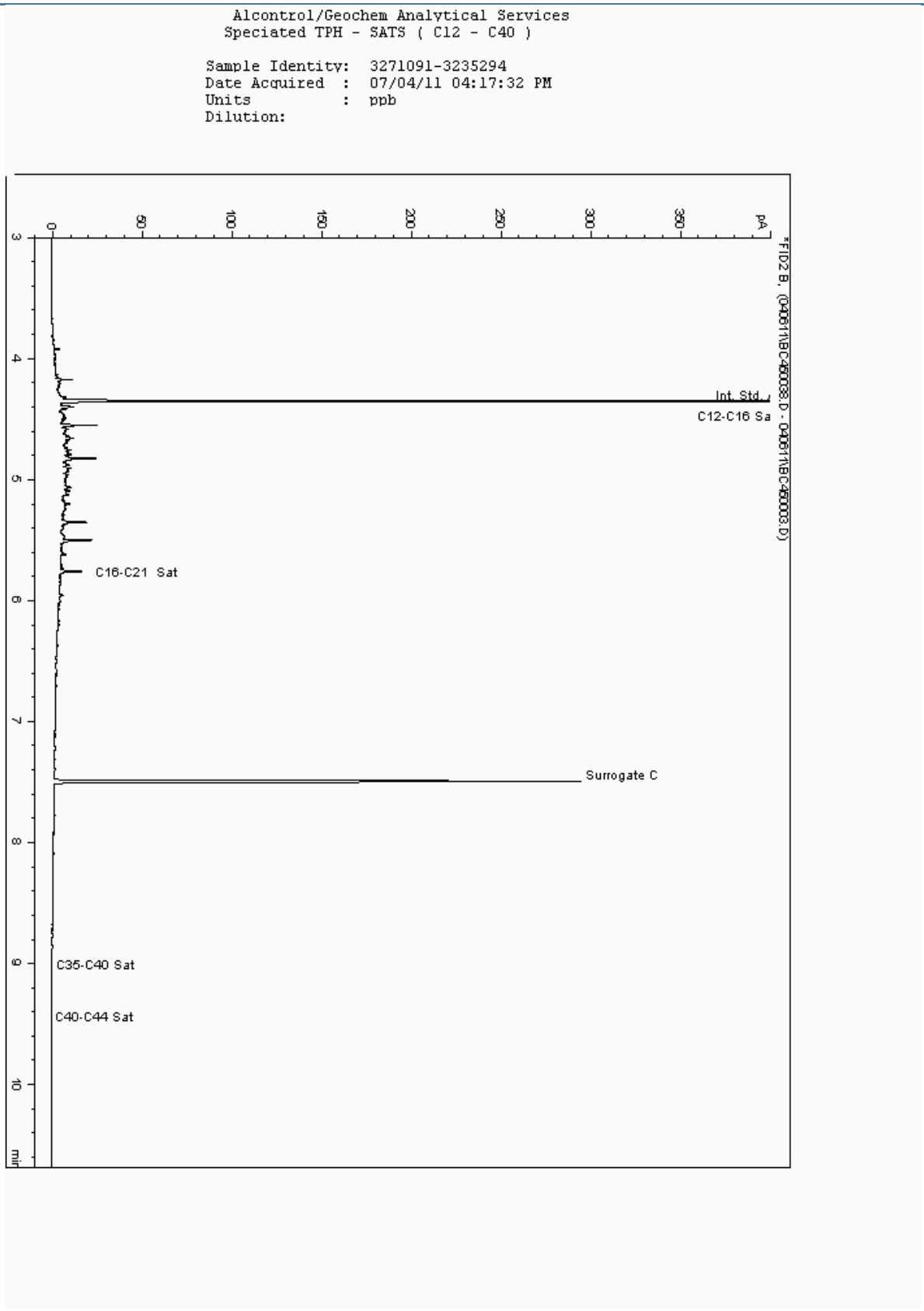


CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3235294 **Depth :** 1.50
Sample ID : CATP054



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

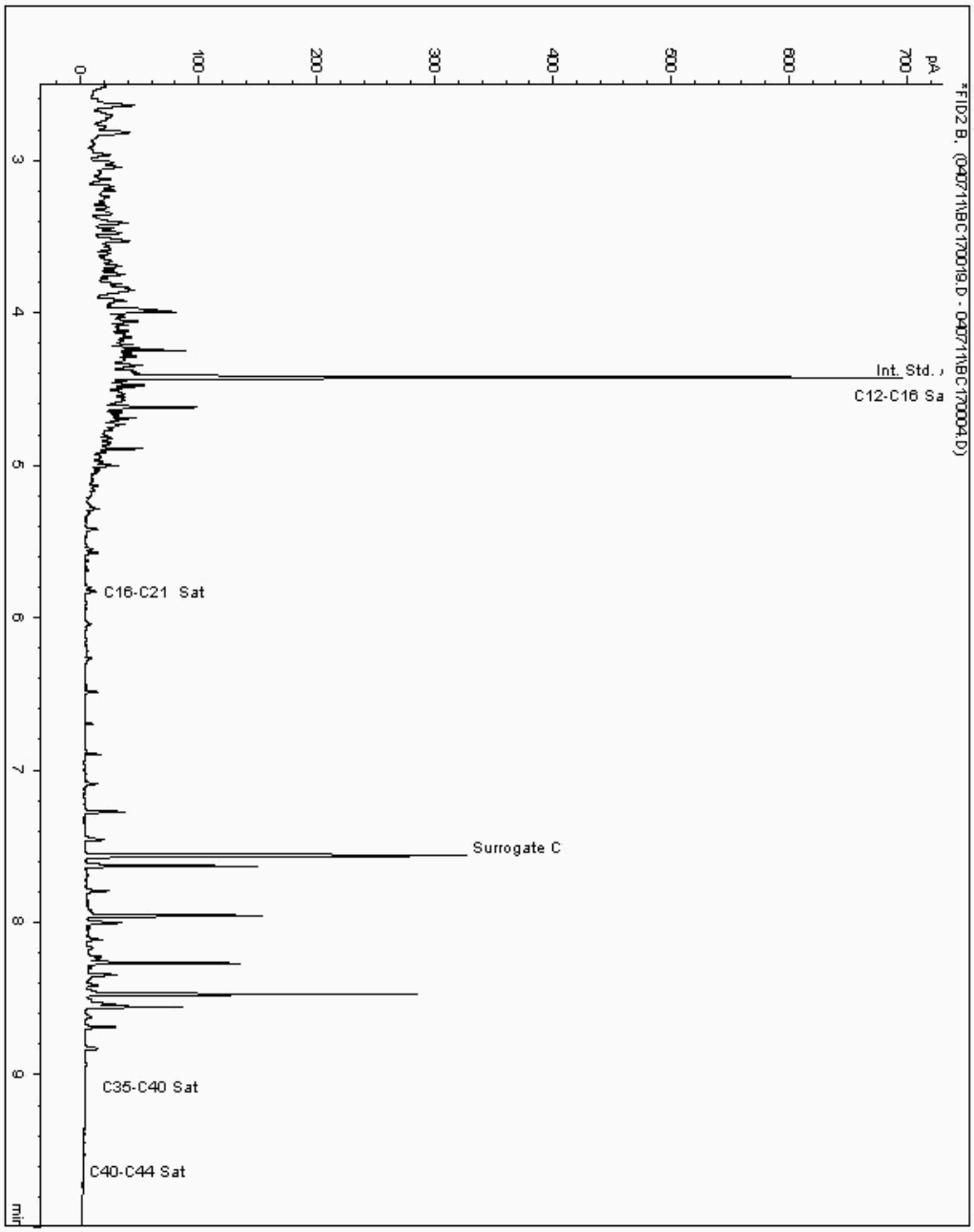
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3236450
Sample ID : CATP044

Depth : 2.00

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

Sample Identity: 3271572-3236450
Date Acquired : 07/04/11 21:10:47 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.030



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

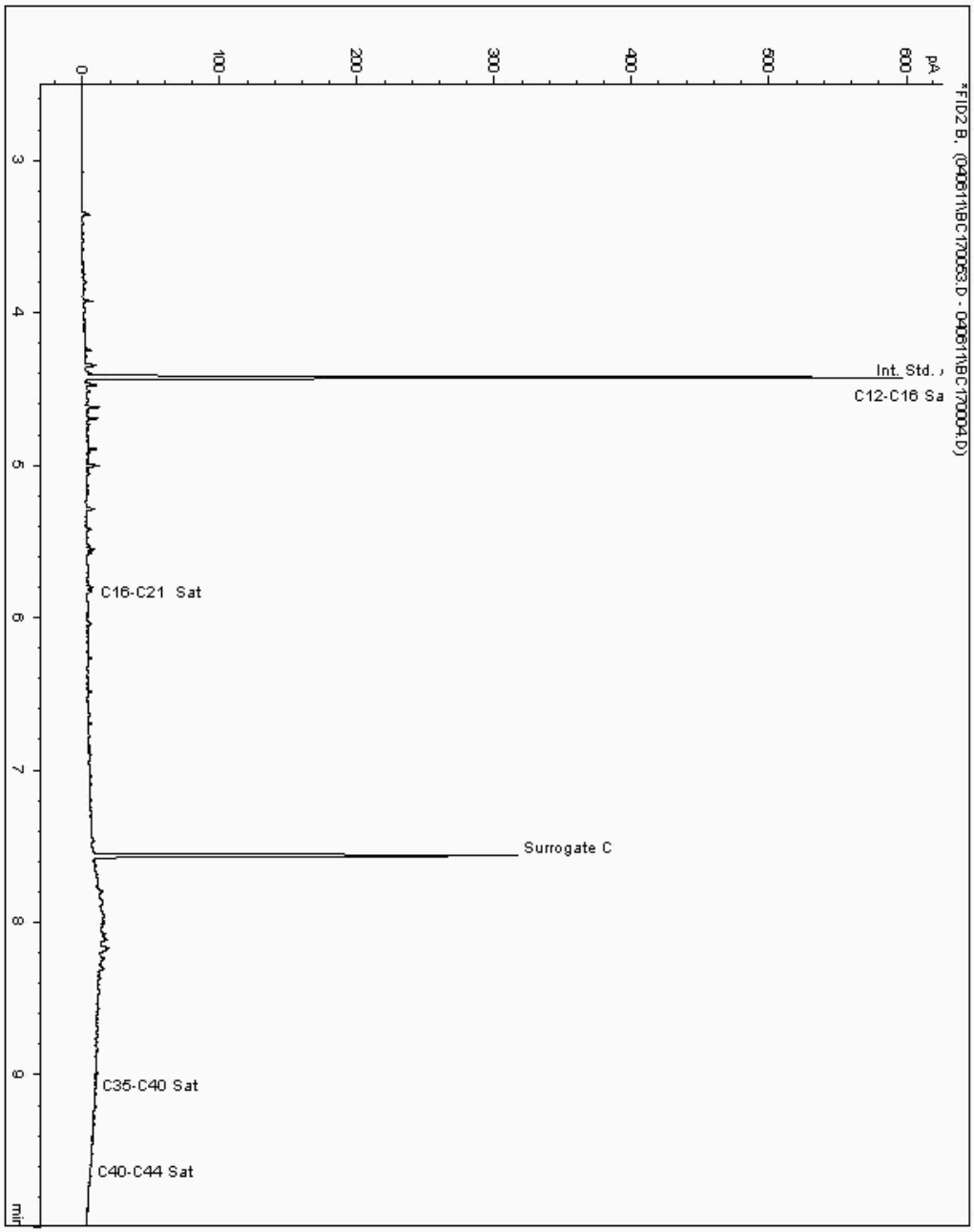
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3236528
Sample ID : CATP041

Depth : 0.50

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

Sample Identity: 3271508-3236528
Date Acquired : 07/04/11 07:37:57 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.020



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

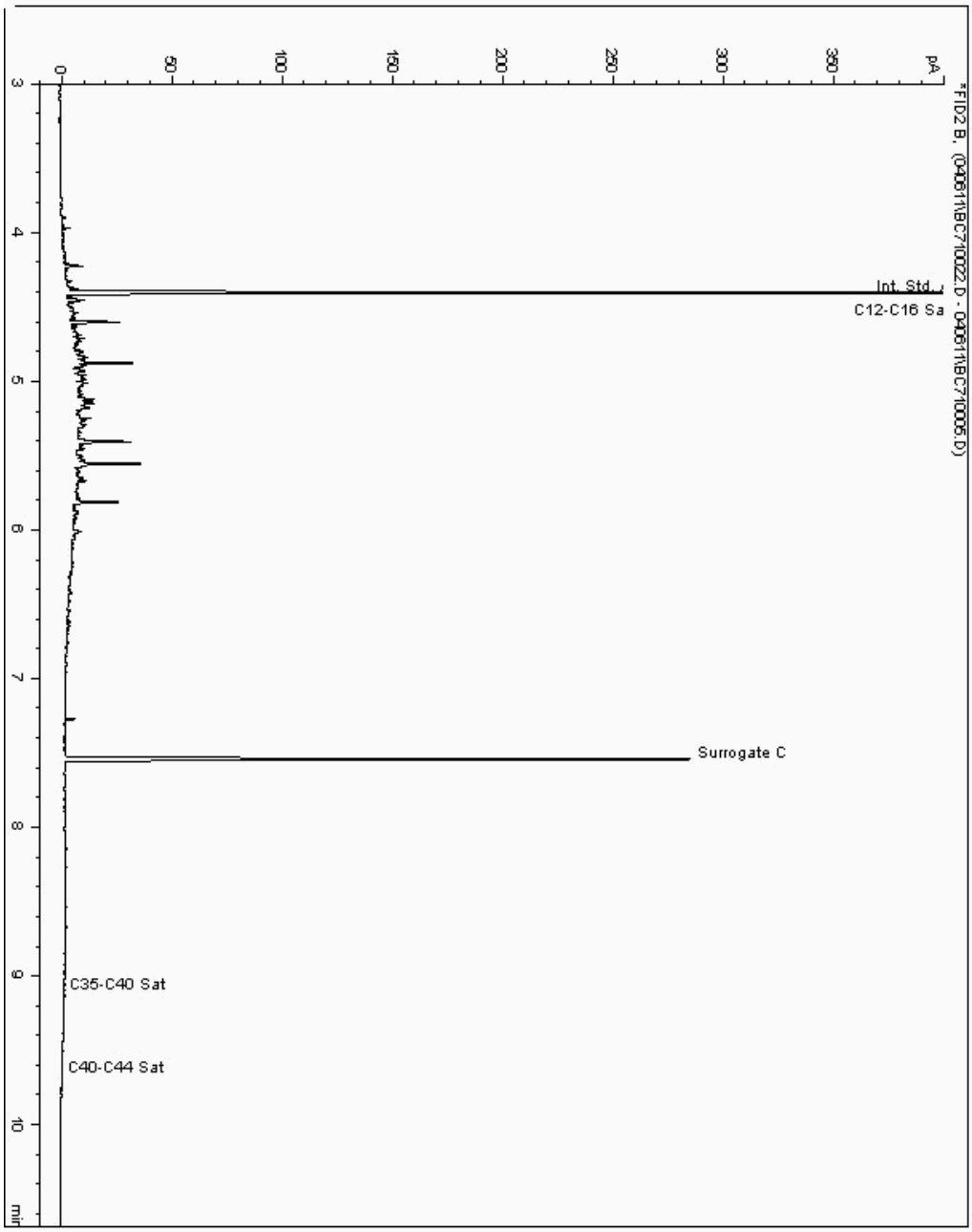
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3236550 **Depth :** 2.00

Sample ID : CATP053

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

Sample Identity: 3271760-3236550
Date Acquired : 07/04/2011 03:23:34 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

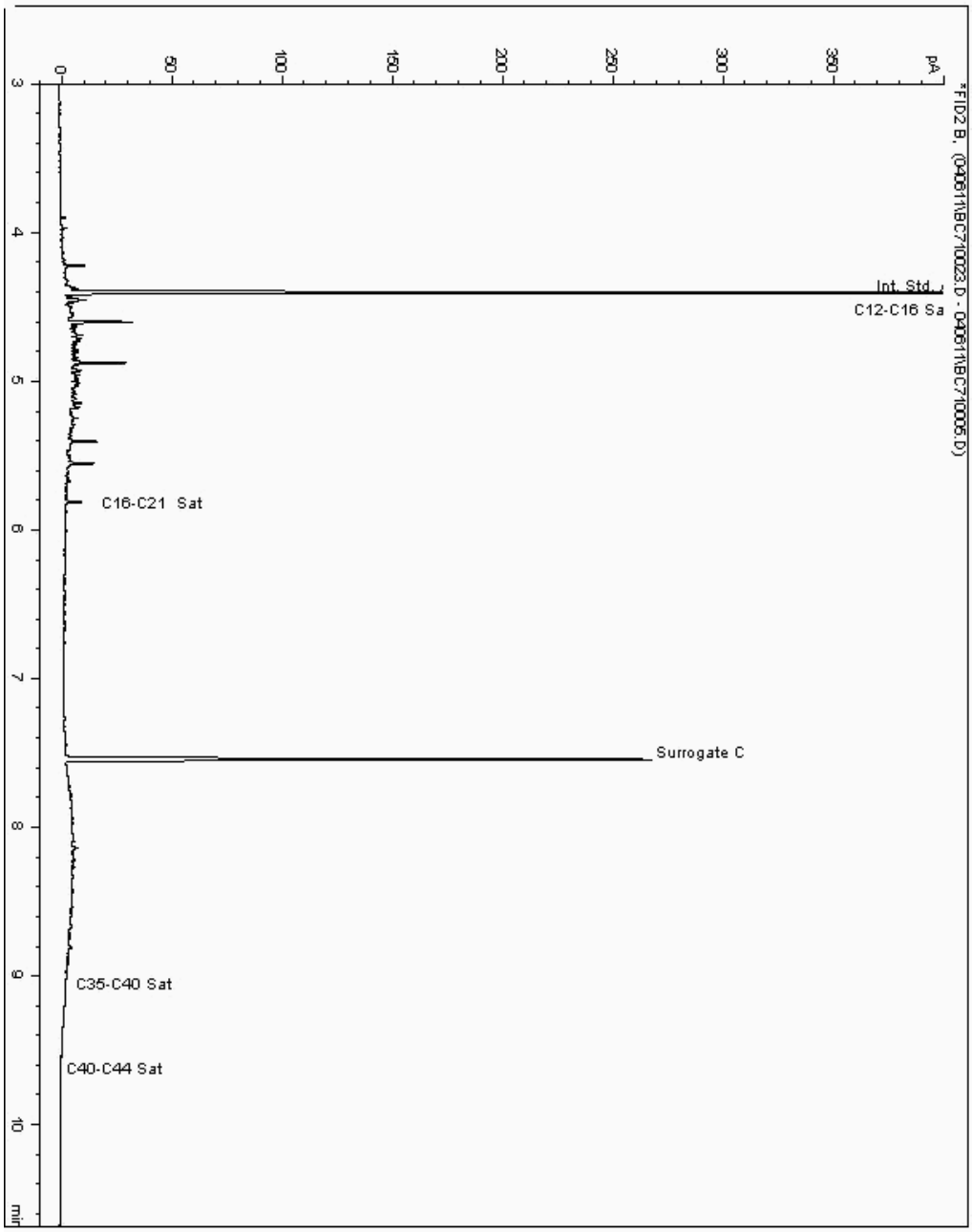
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3236584 **Depth :** 2.20

Sample ID : CATP047

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

Sample Identity: 3270845-3236584
Date Acquired : 07/04/2011 03:43:18 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

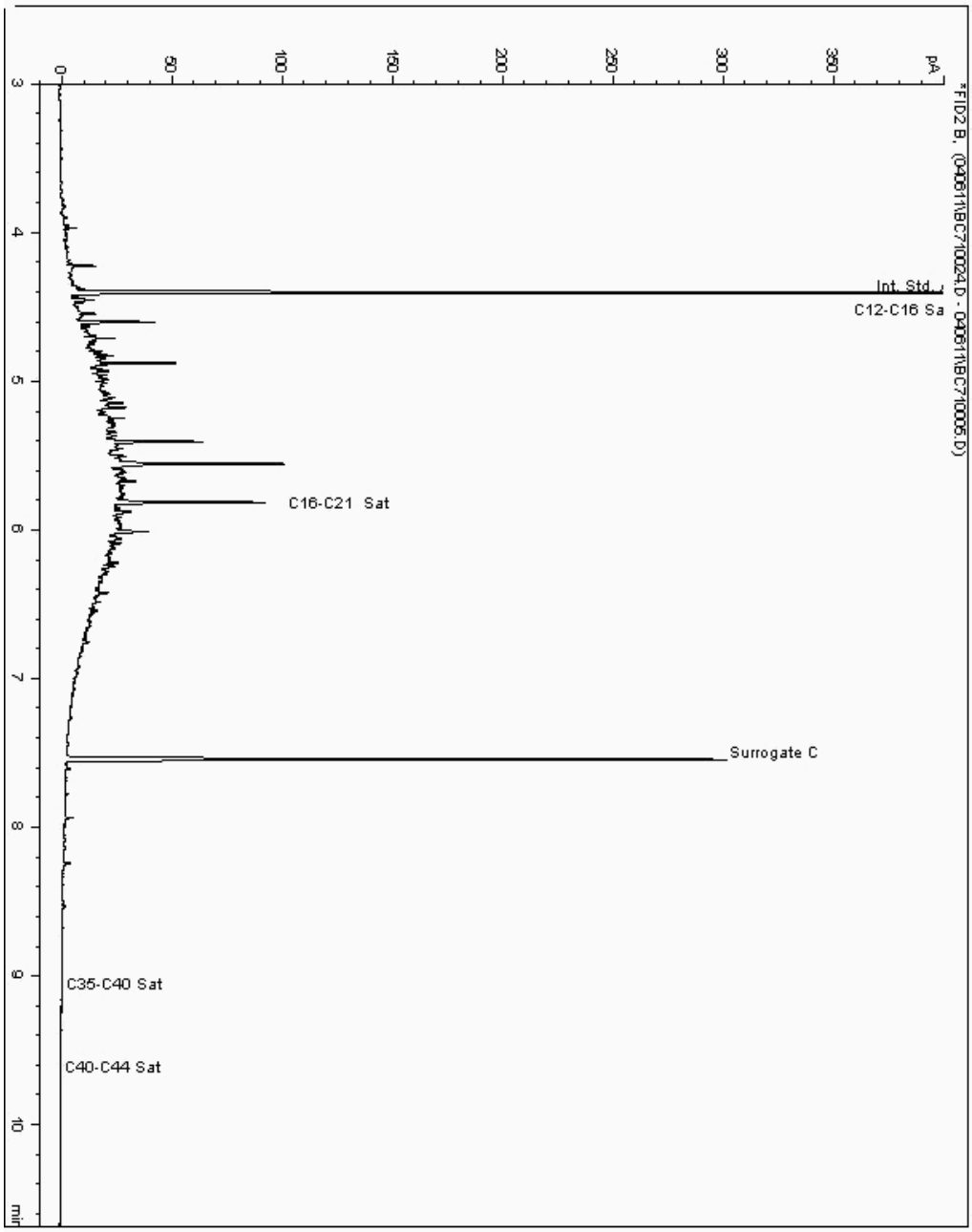
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3236588
Sample ID : CATP053

Depth : 1.00

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

Sample Identity: 3271716-3236588
Date Acquired : 07/04/2011 04:03:14 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

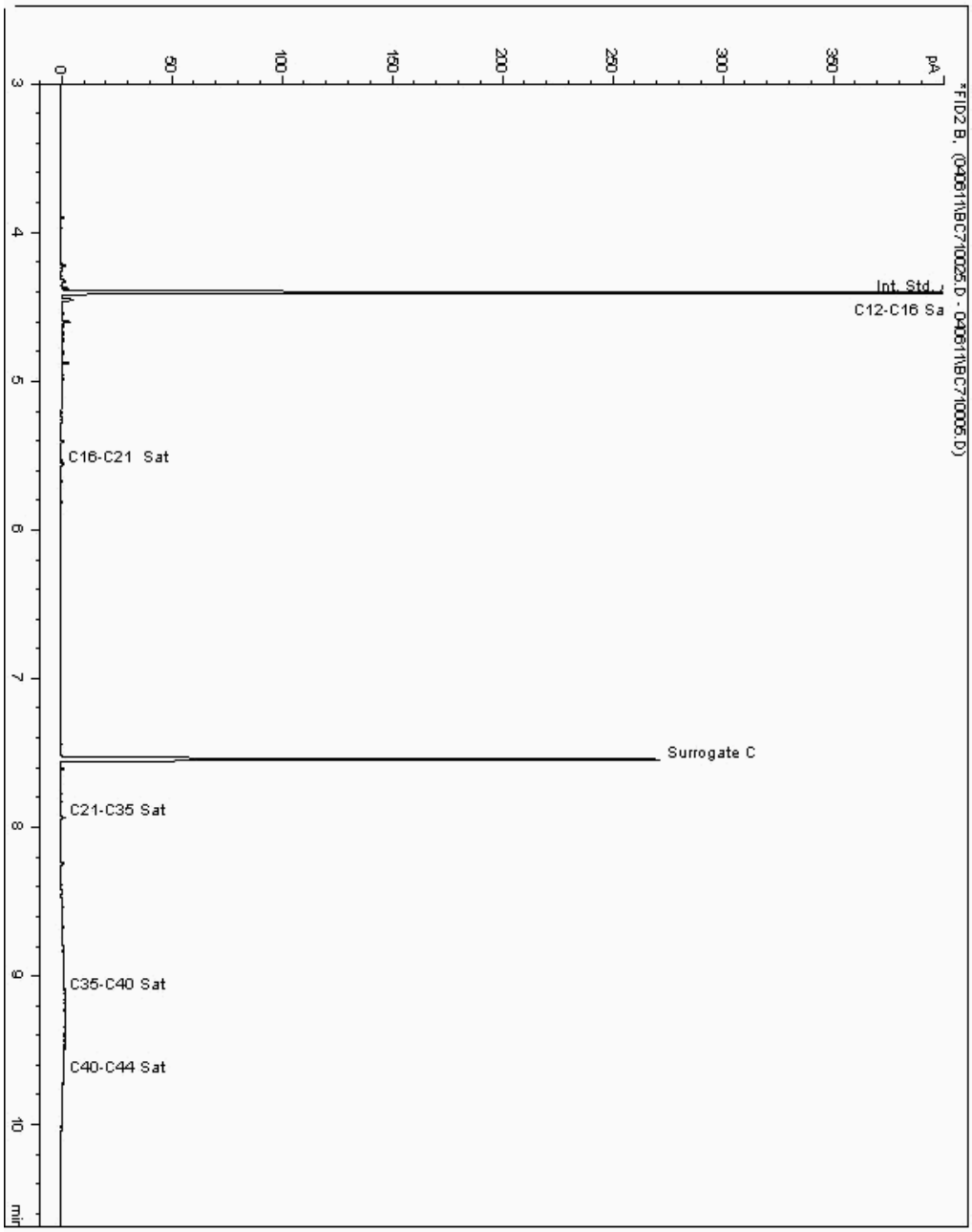
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3236594 **Depth :** 2.20

Sample ID : CATP031

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

Sample Identity: 3270672-3236594
Date Acquired : 07/04/2011 04:22:53 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

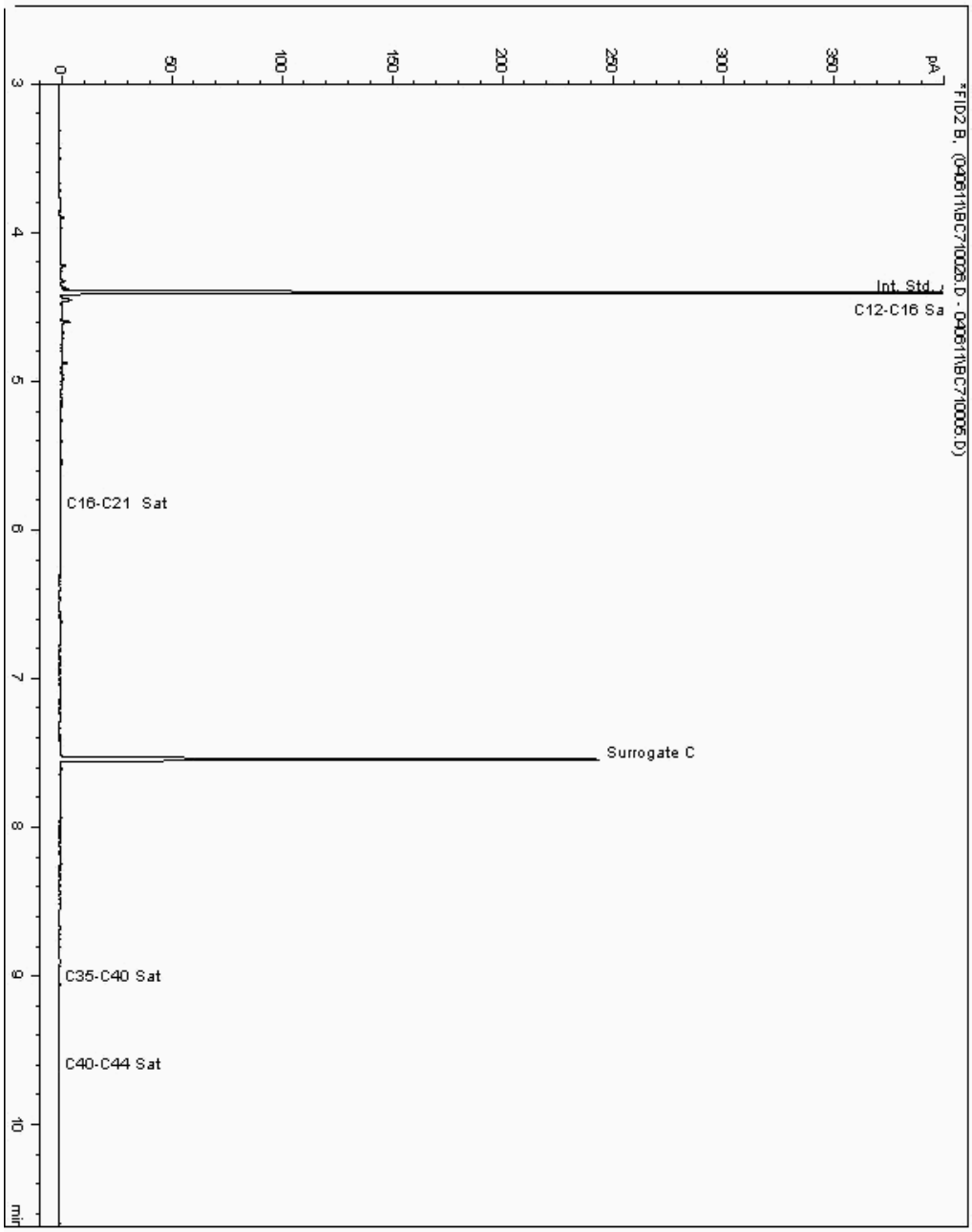
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3236600 **Depth :** 1.20

Sample ID : CATP031

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

Sample Identity: 3270658-3236600
Date Acquired : 07/04/2011 04:42:33 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

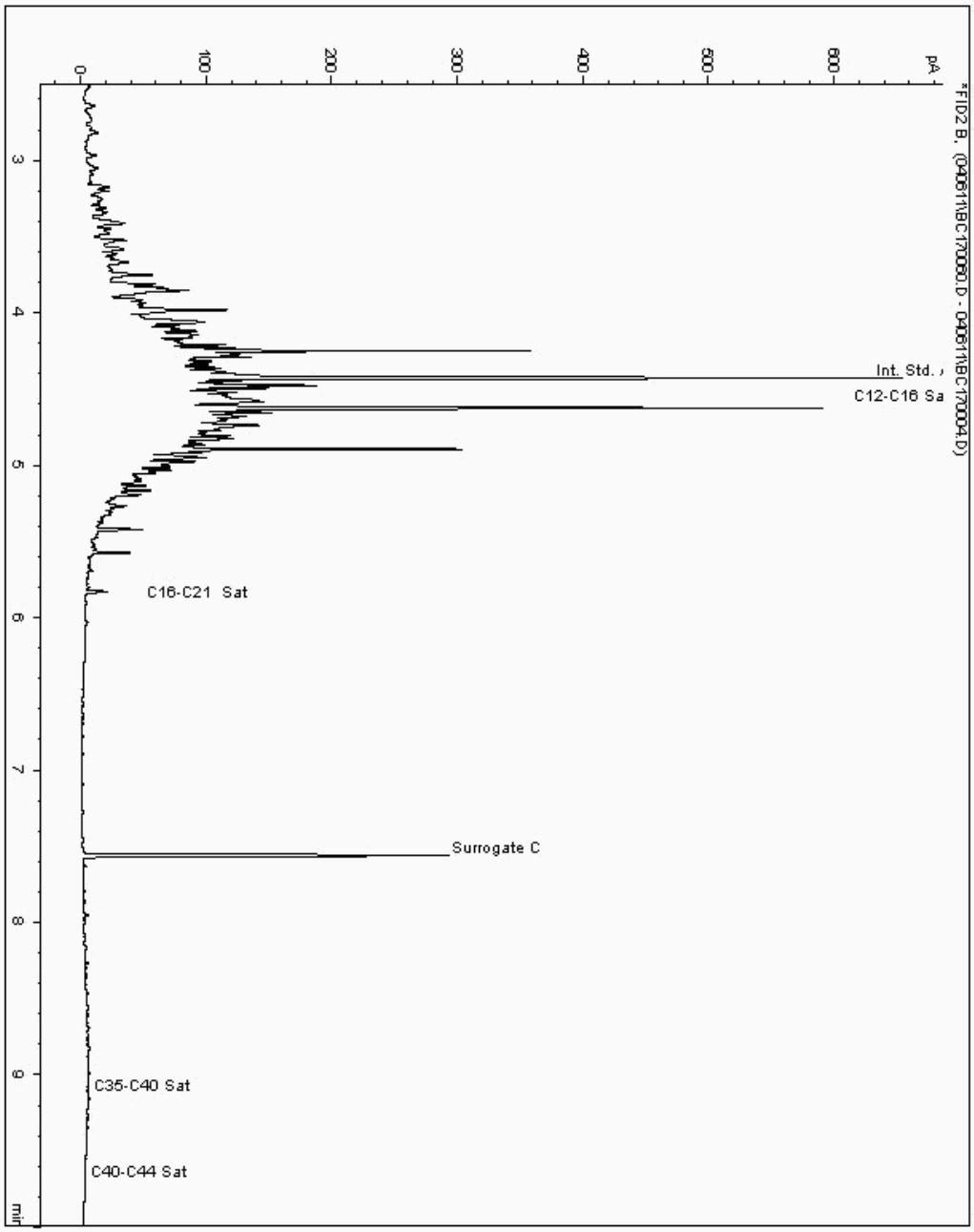
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3236649
Sample ID : CATP036

Depth : 1.20

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

Sample Identity: 3271429-3236649
Date Acquired : 07/04/11 09:14:48 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.020



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

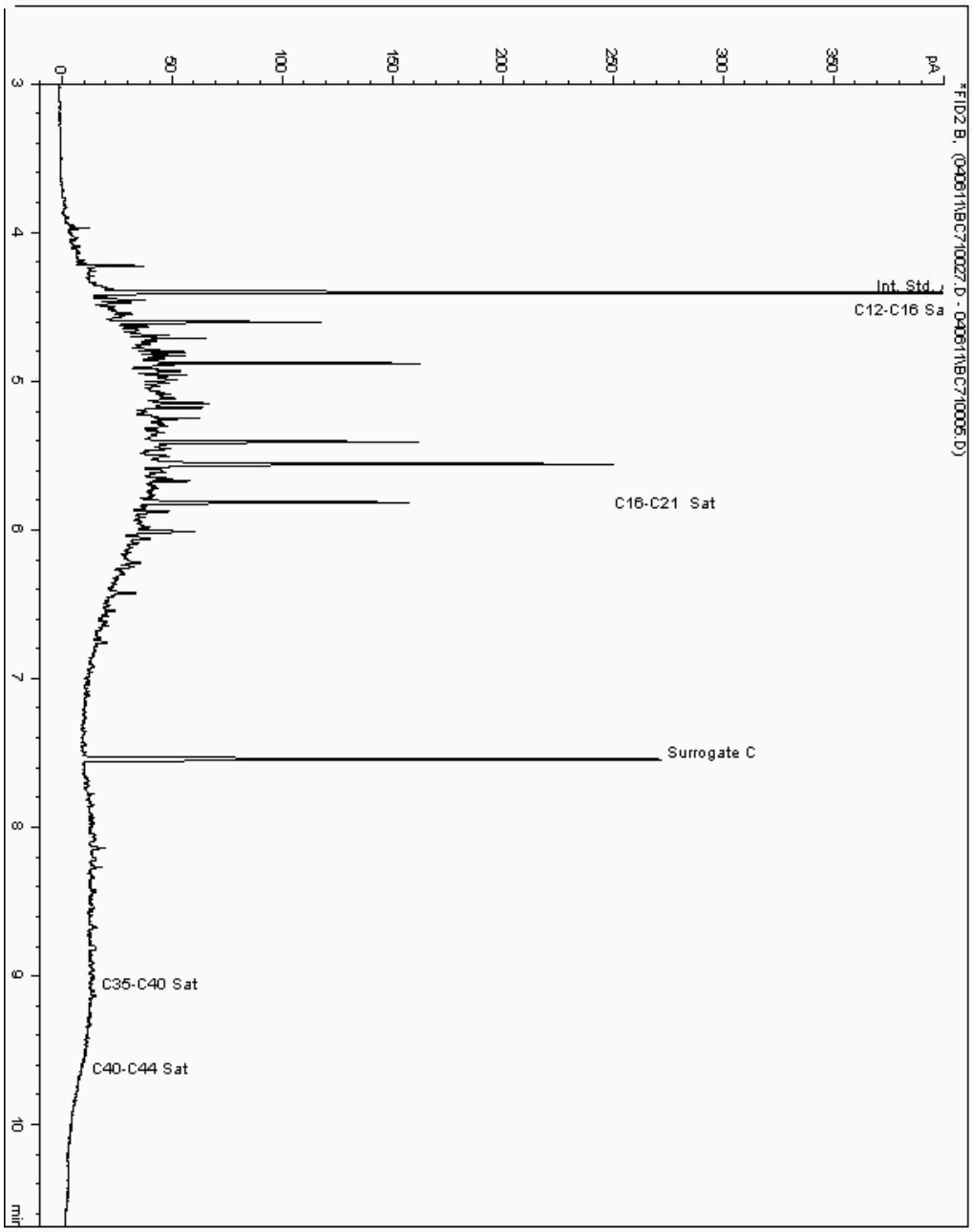
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3236657
Sample ID : CATP058

Depth : 2.30

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

Sample Identity: 3271265-3236657
Date Acquired : 07/04/2011 05:02:12 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

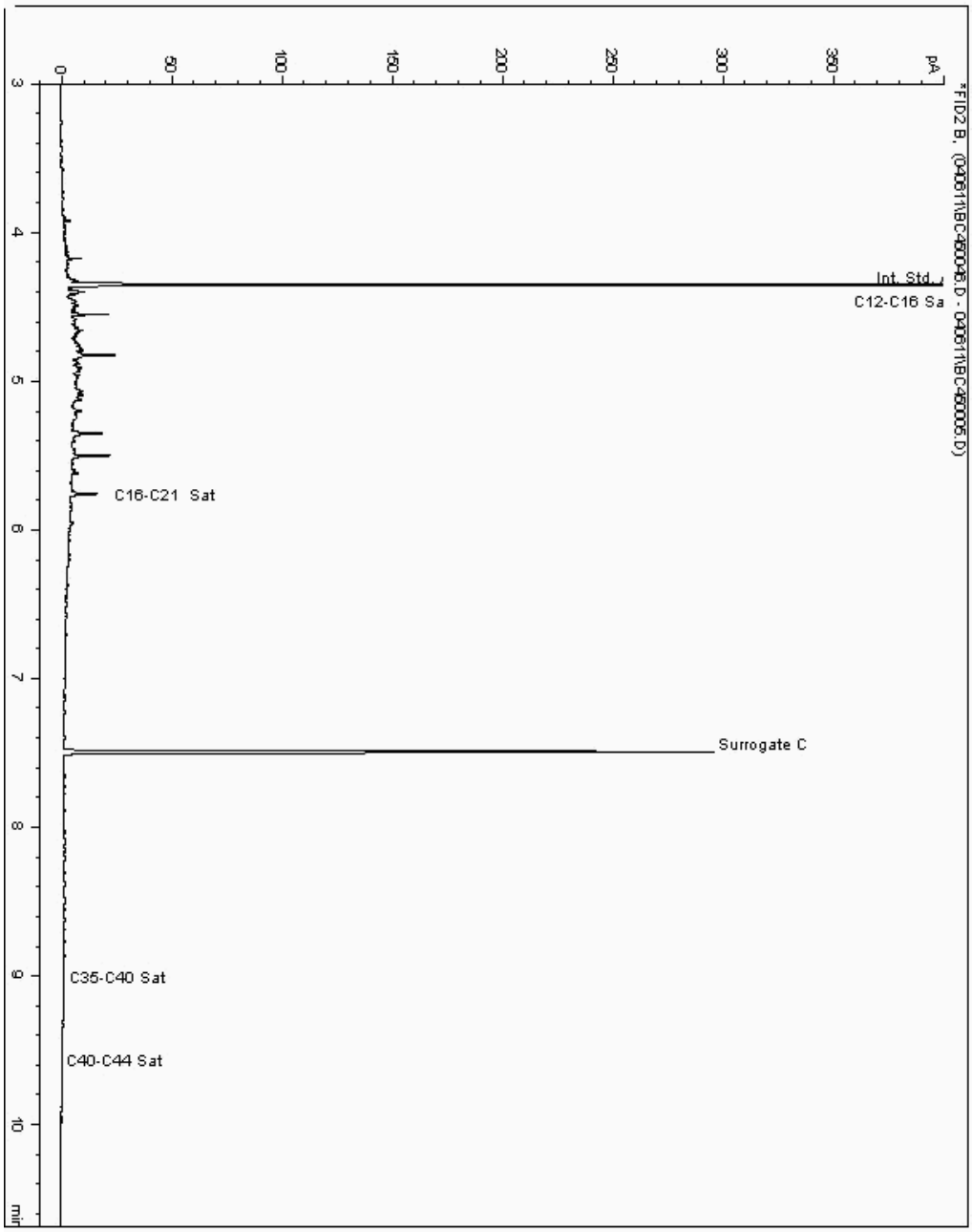
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3236739 **Depth :** 2.30
Sample ID : CATP048

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

Sample Identity: 3270895-3236739
Date Acquired : 07/04/11 06:38:35 PM
Units : ppb
Dilution:



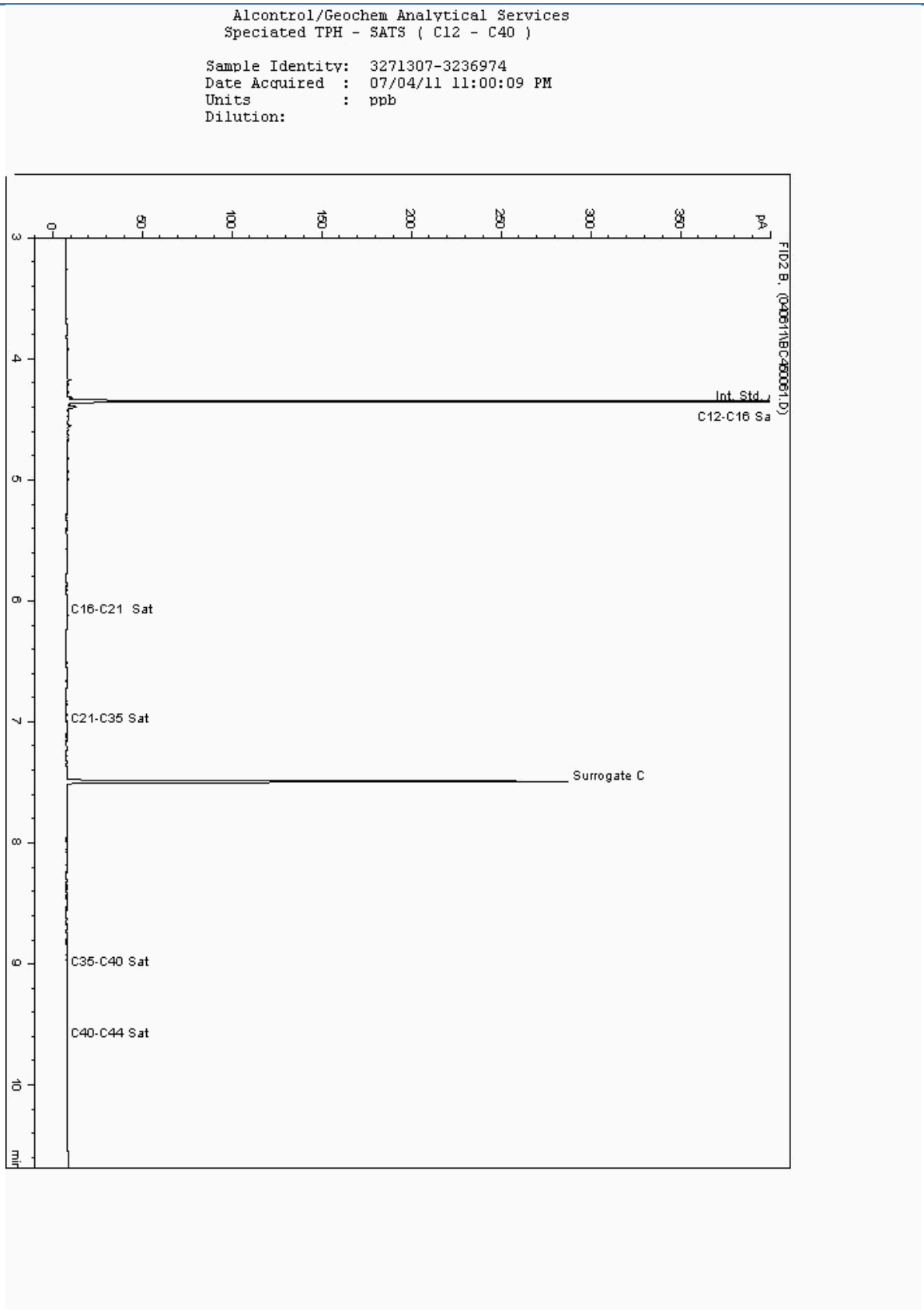
CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3236974 **Depth :** 1.20

Sample ID : CATP059



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

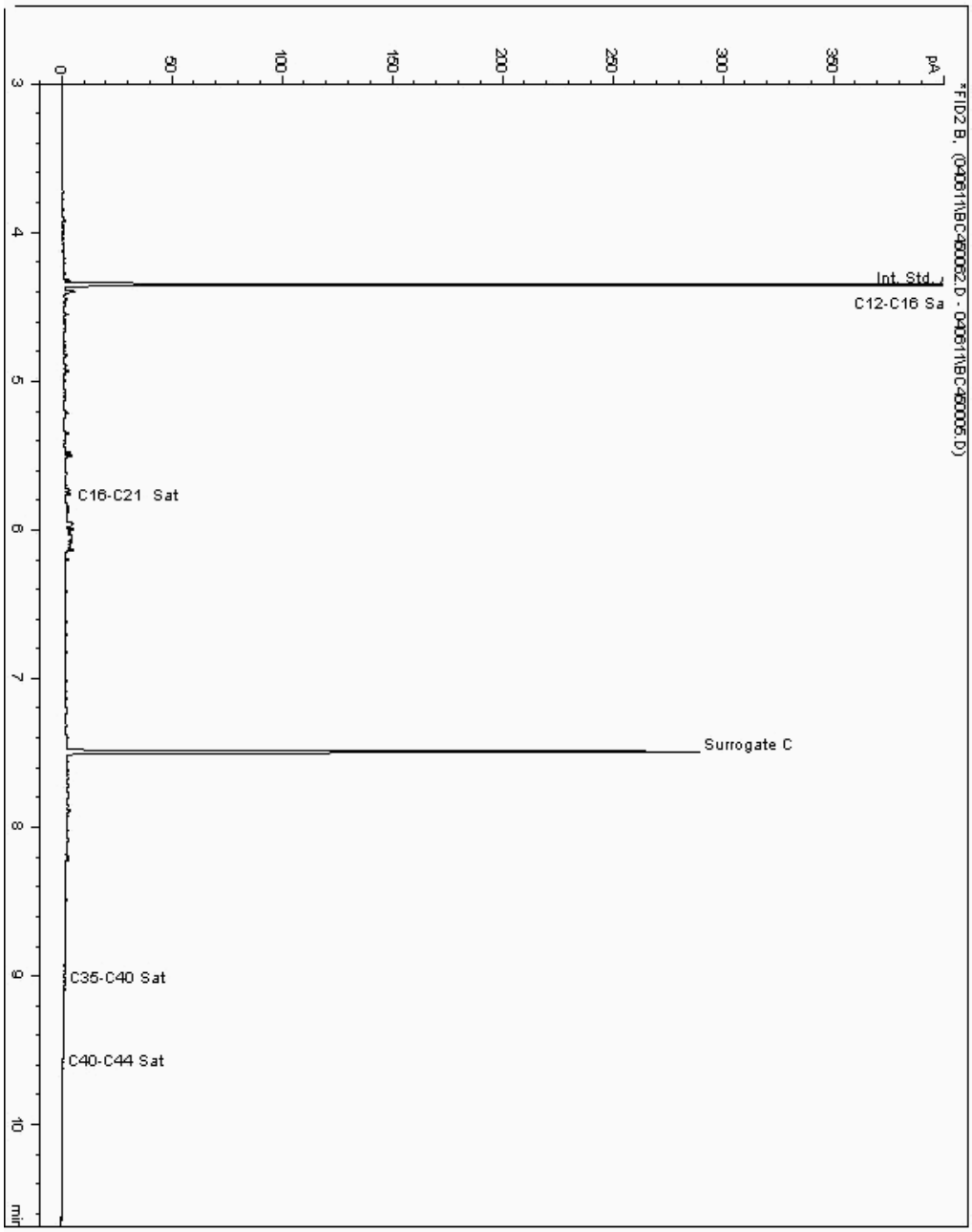
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3236986
Sample ID : CATP044

Depth : 3.00

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

Sample Identity: 3271612-3236986
Date Acquired : 07/04/11 11:20:15 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

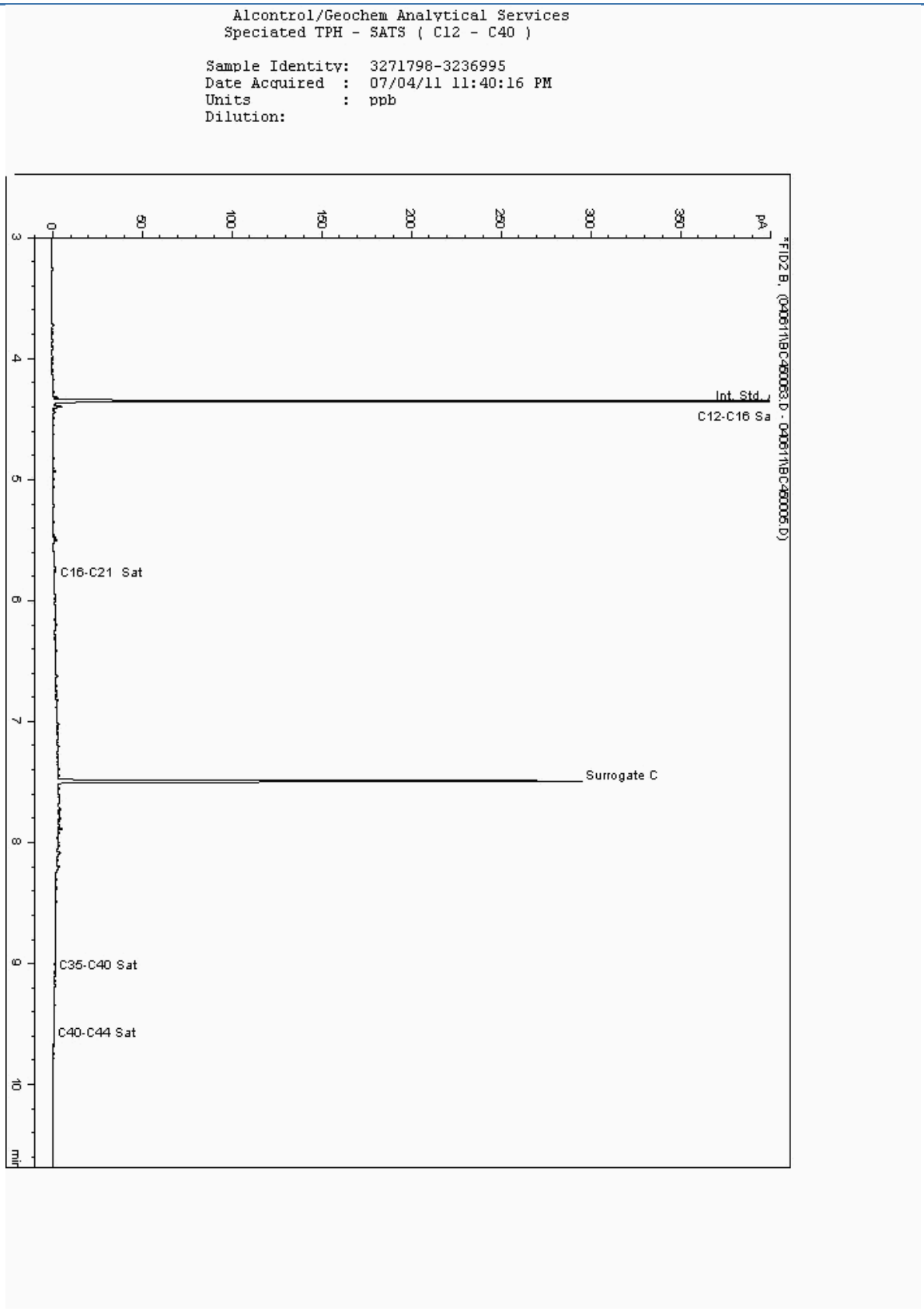
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3236995
Sample ID : CATP055

Depth : 0.50



CERTIFICATE OF ANALYSIS

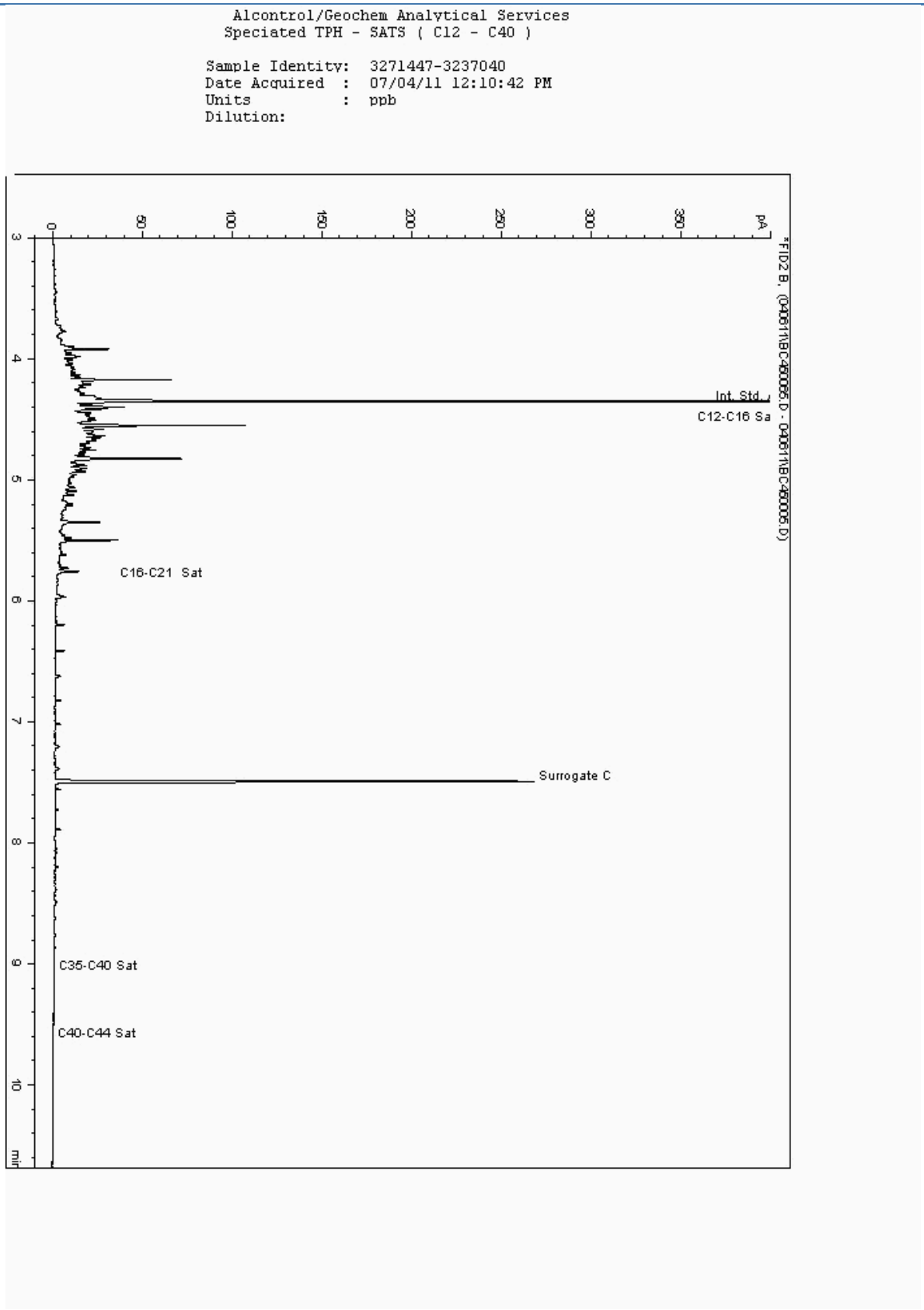
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3237040
Sample ID : CATP036

Depth : 2.70



CERTIFICATE OF ANALYSIS

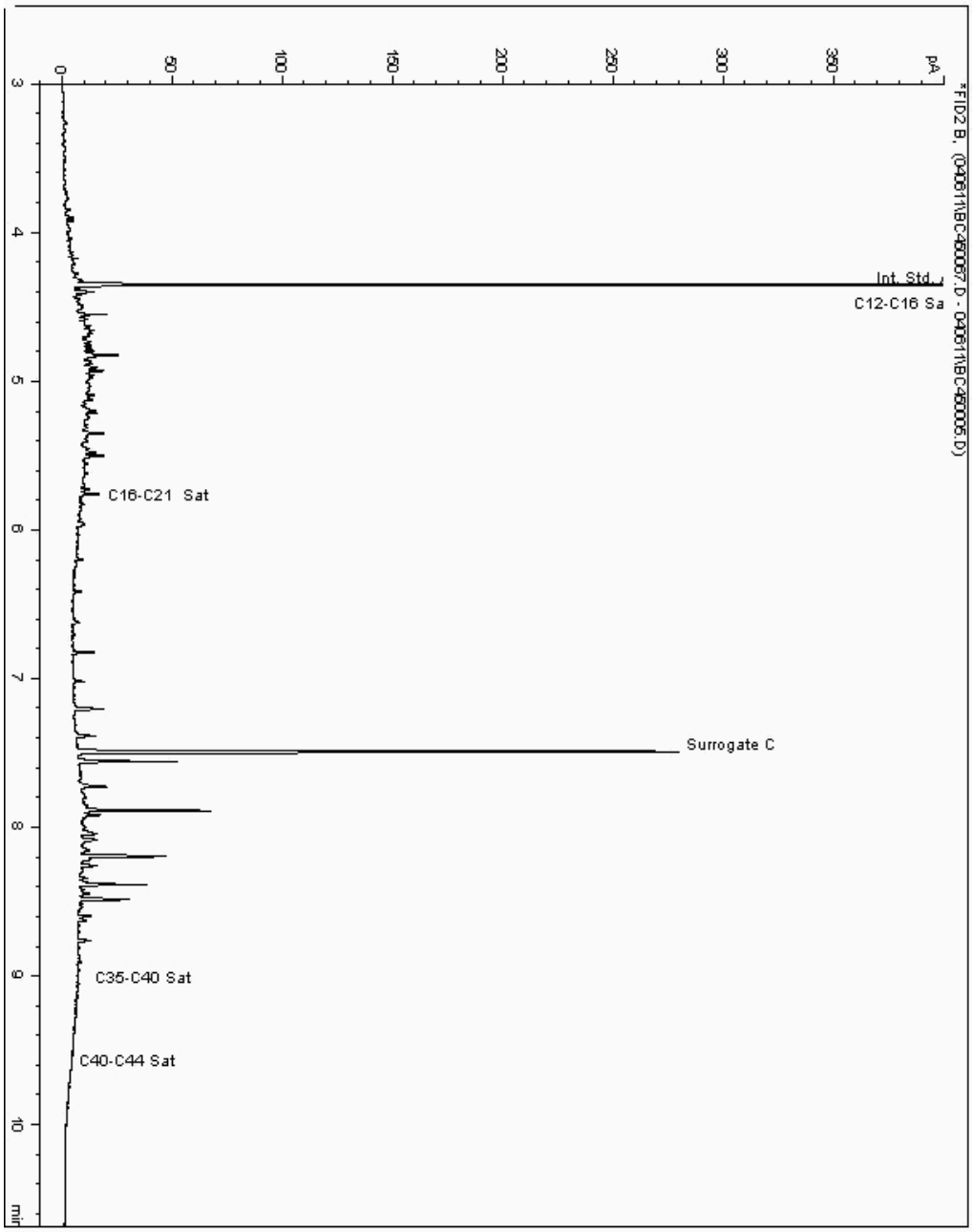
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3237061 **Depth :** 1.10
Sample ID : CATP041

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

Sample Identity: 3271522-3237061
Date Acquired : 07/04/11 12:40:58 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

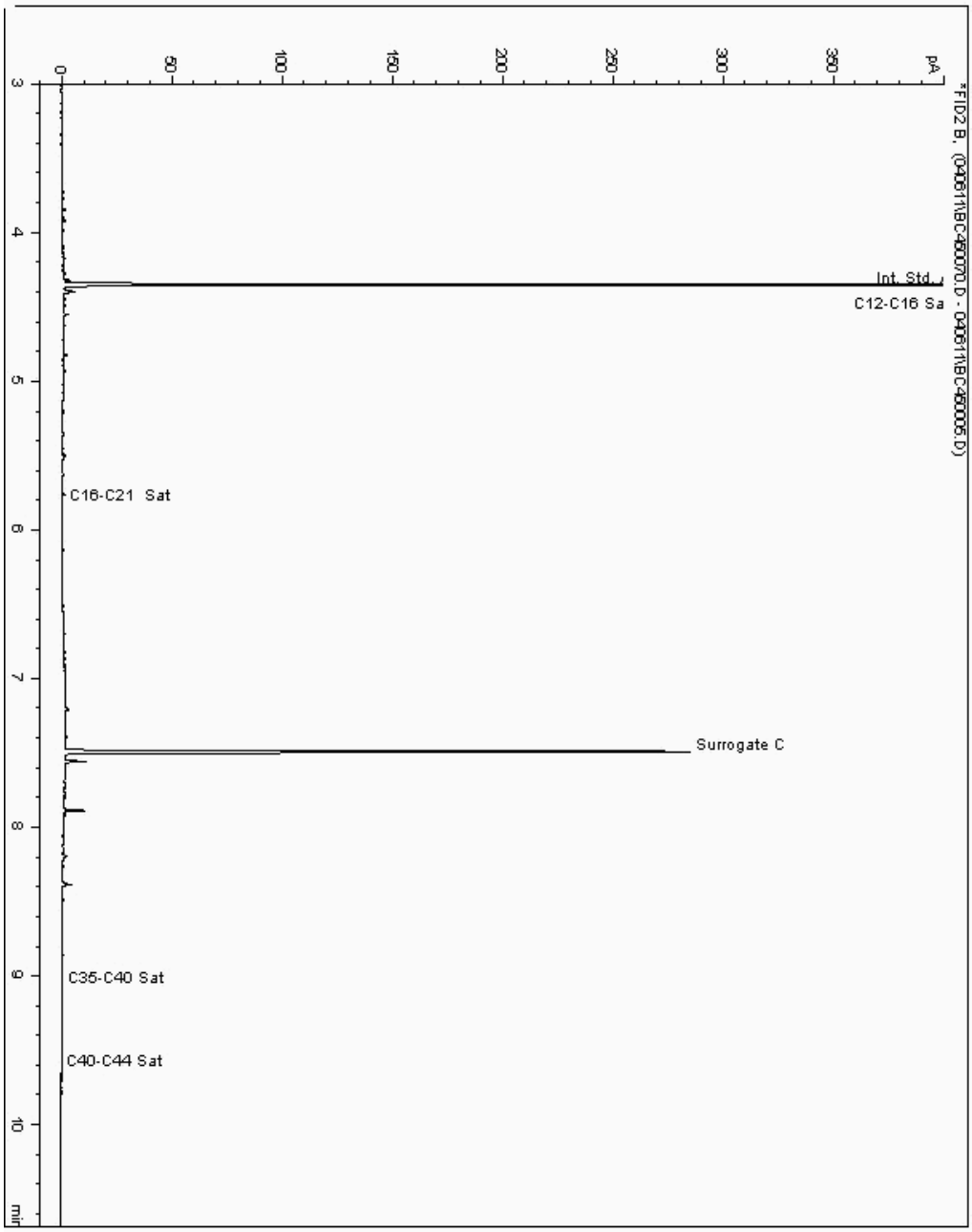
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3237101
Sample ID : CATP065

Depth : 1.00

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

Sample Identity: 3272361-3237101
Date Acquired : 07/04/11 13:31:31 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

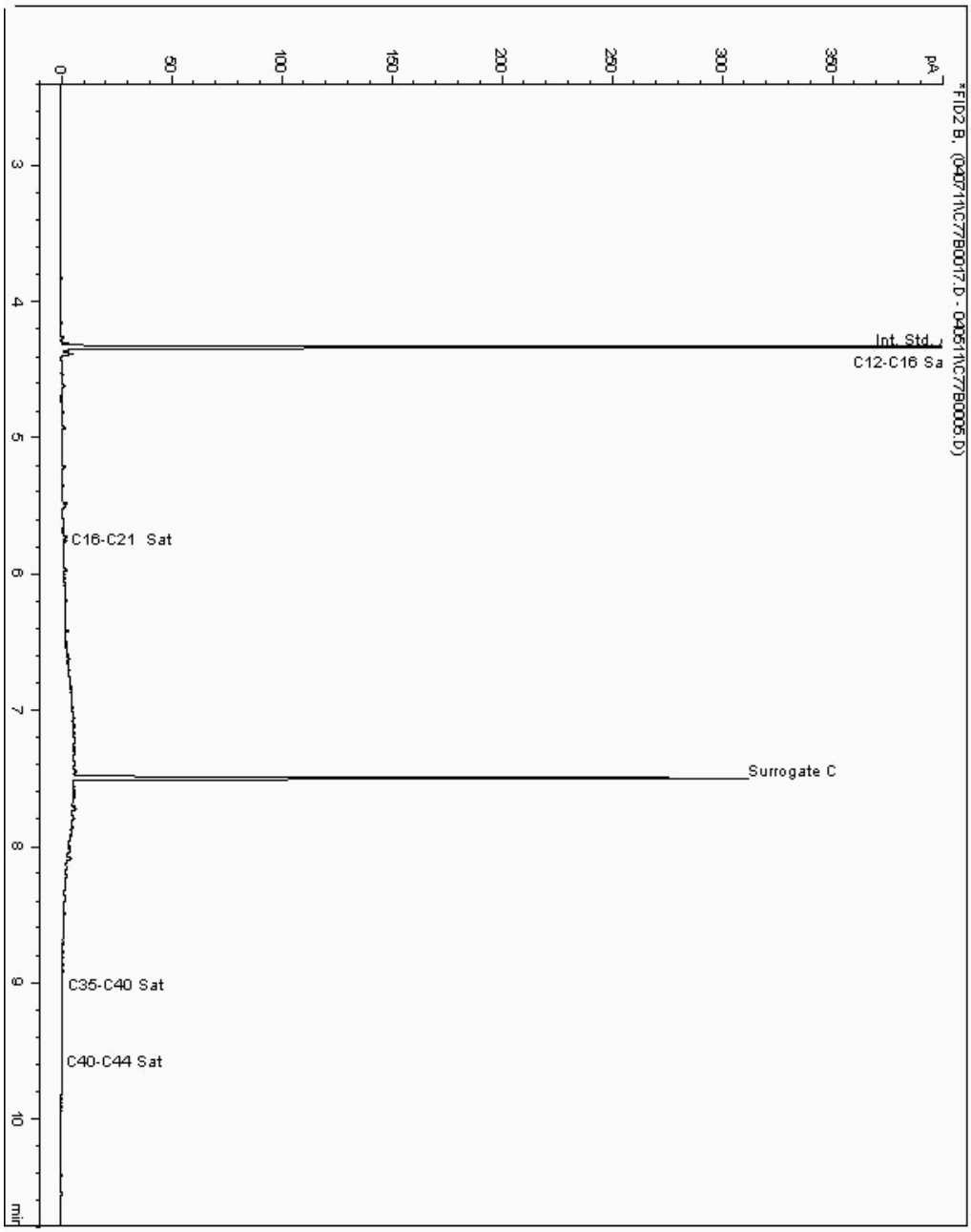
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3237233
Sample ID : CATP033

Depth : 0.40

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

Sample Identity: 3270686-3237233
Date Acquired : 07/04/11 13:30:05 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

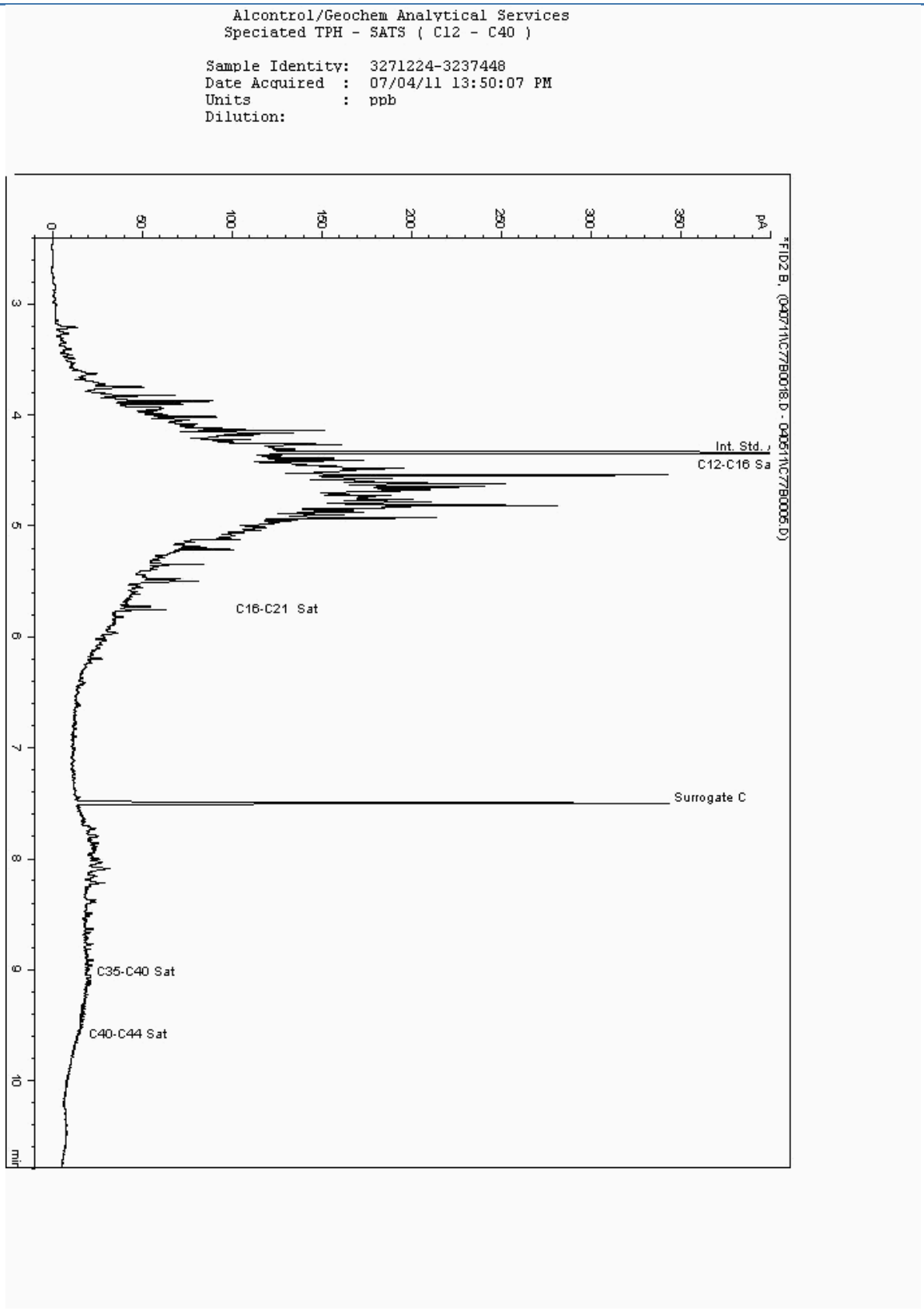
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3237448
Sample ID : CATP058

Depth : 0.90



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

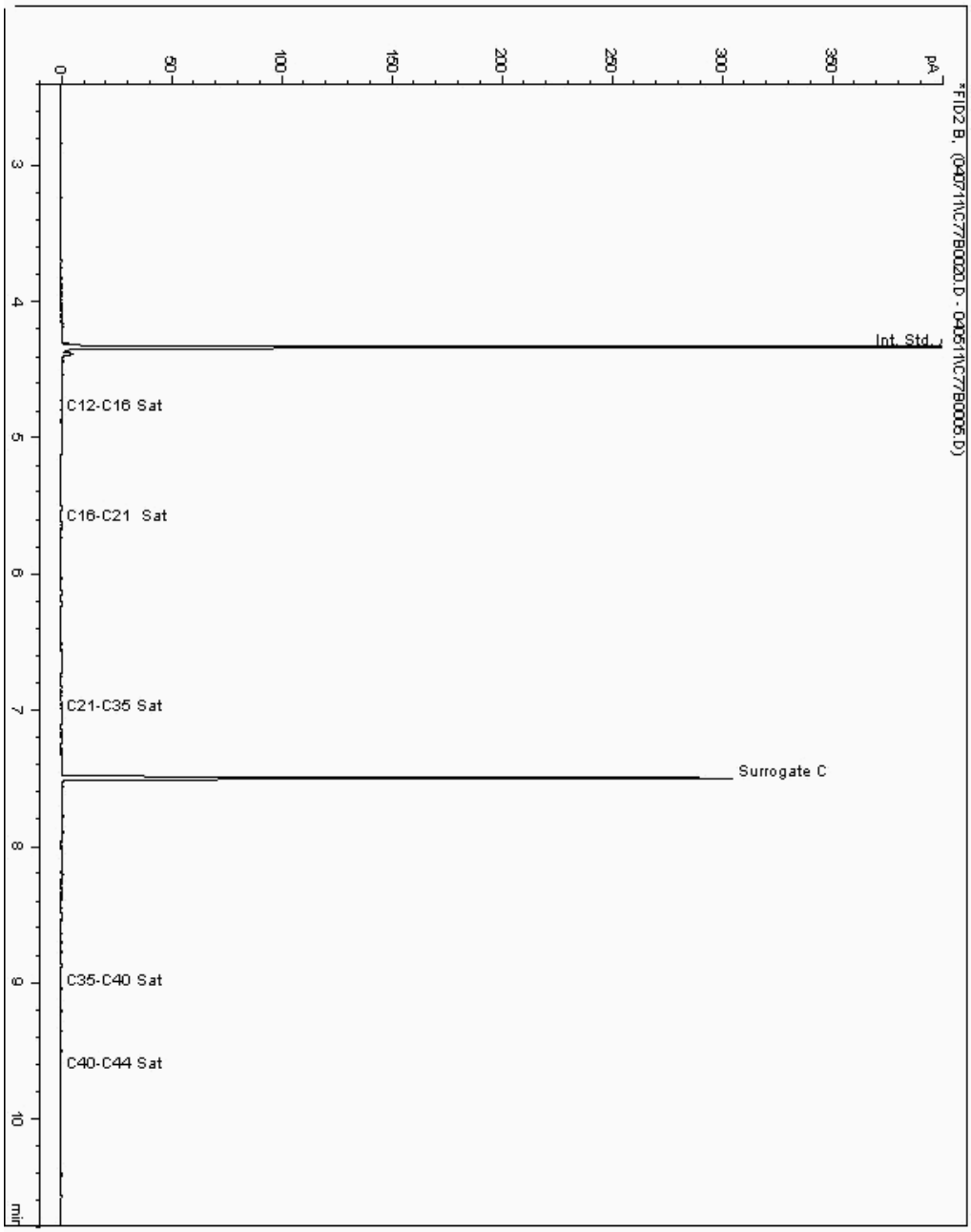
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3237462
Sample ID : CATP056

Depth : 1.00

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

Sample Identity: 3272008-3237462
Date Acquired : 07/04/11 14:20:11 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

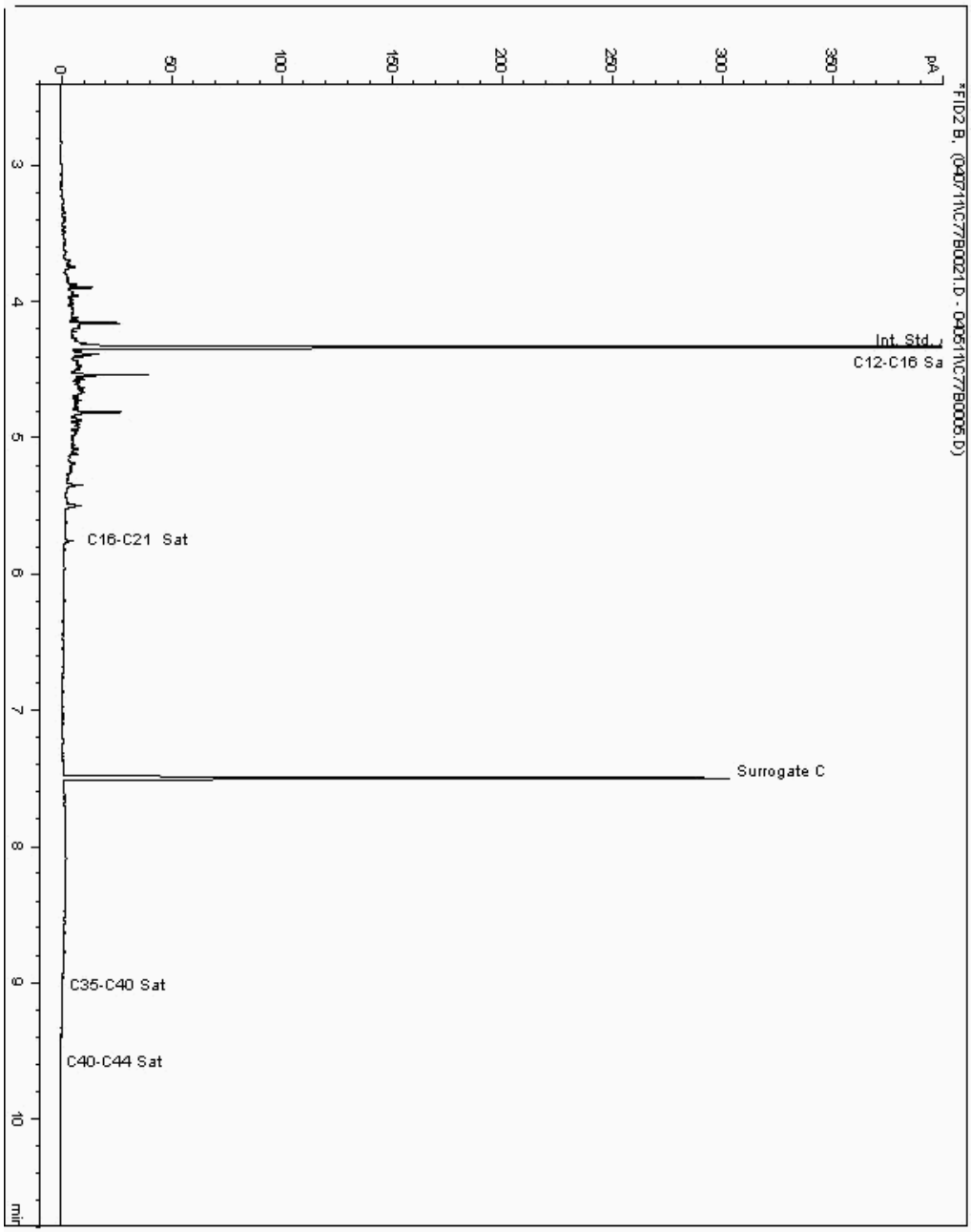
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3237502
Sample ID : CATP047

Depth : 1.50

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

Sample Identity: 3270831-3237502
Date Acquired : 07/04/11 14:40:22 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

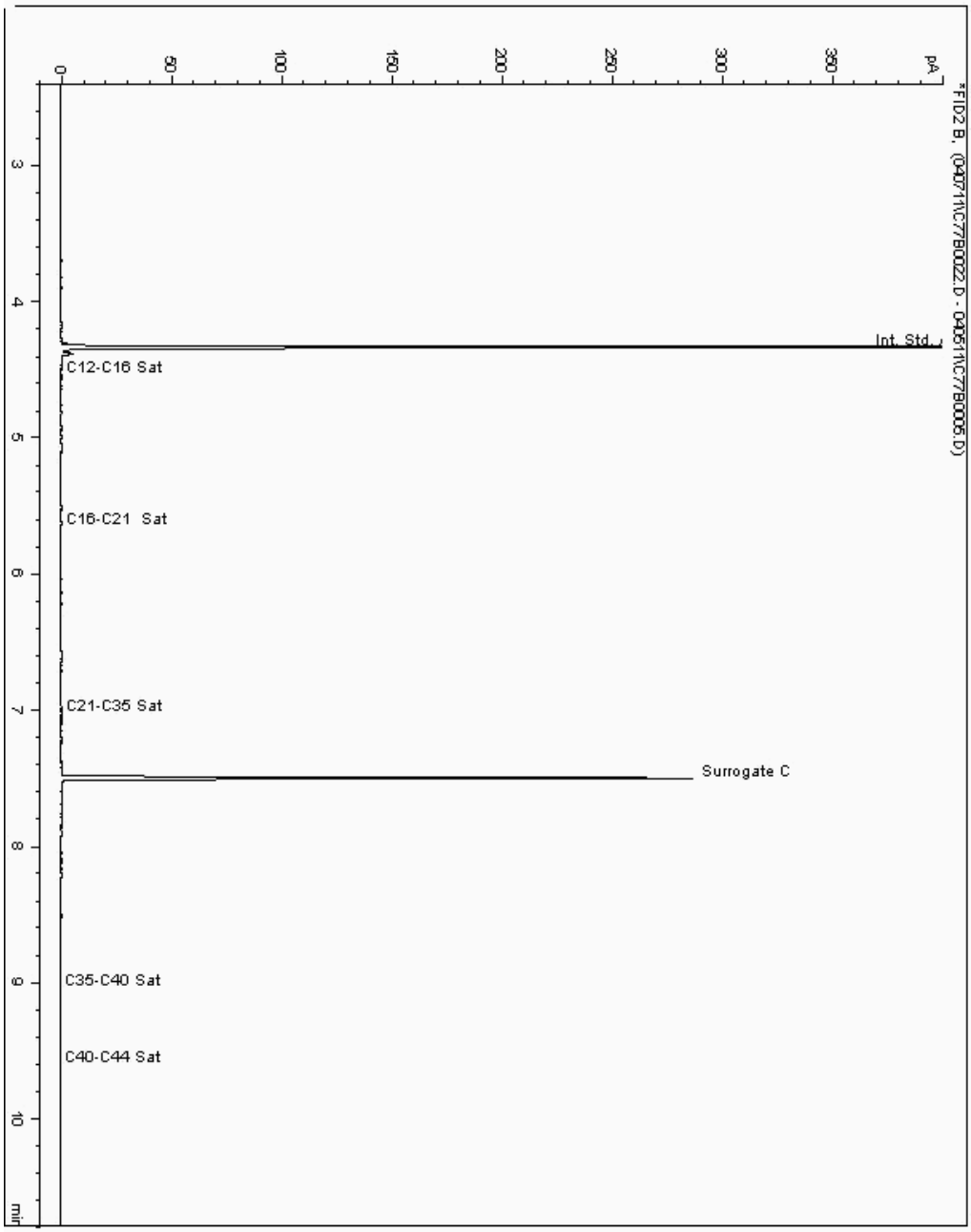
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3237528 **Depth :** 1.00

Sample ID : CATP064

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

Sample Identity: 3272414-3237528
Date Acquired : 07/04/11 15:00:57 PM
Units : ppb
Dilution:



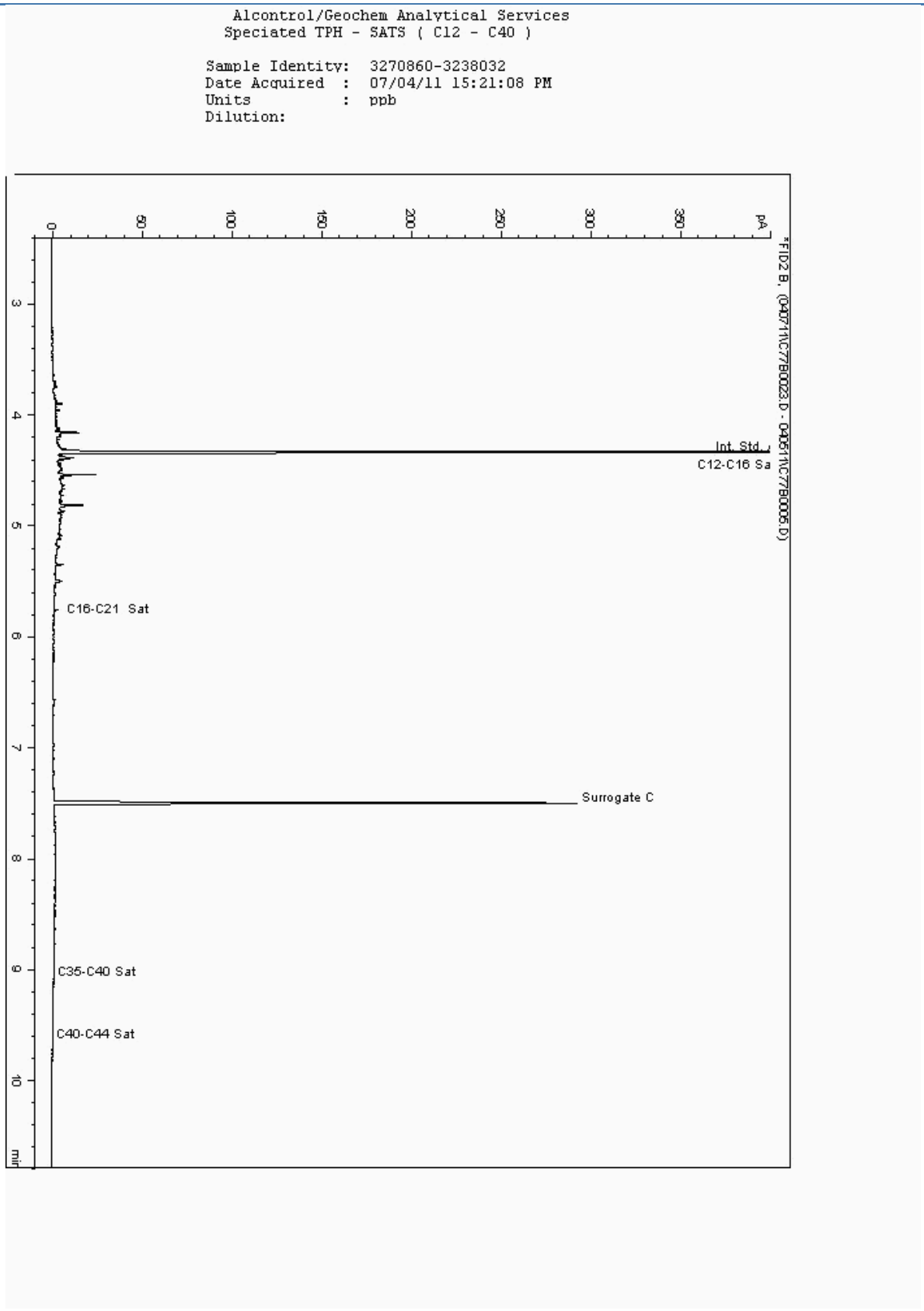
CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3238032 **Depth :** 0.70

Sample ID : CATP048



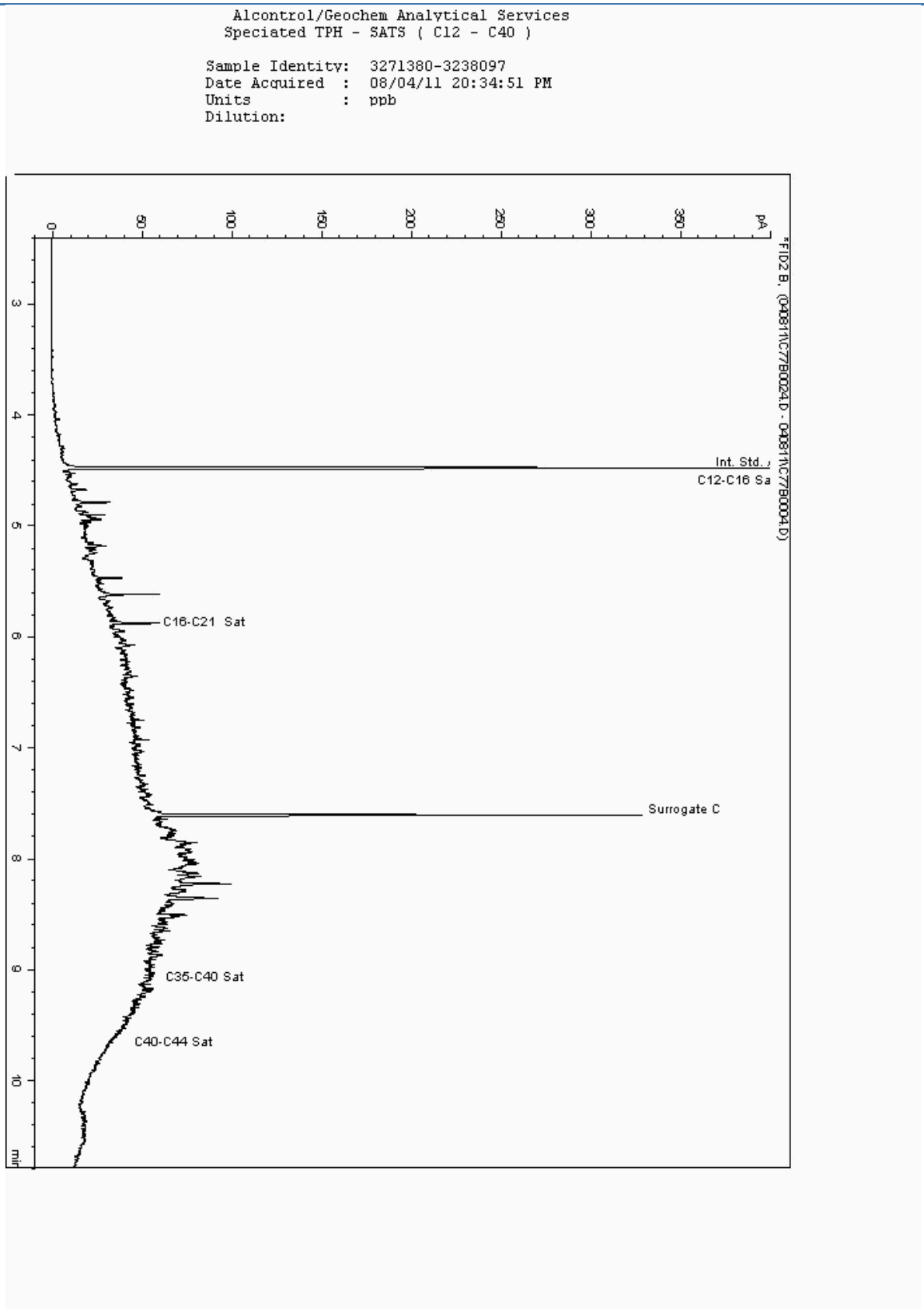
CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3238097 **Depth :** 0.50

Sample ID : CATP067



CERTIFICATE OF ANALYSIS

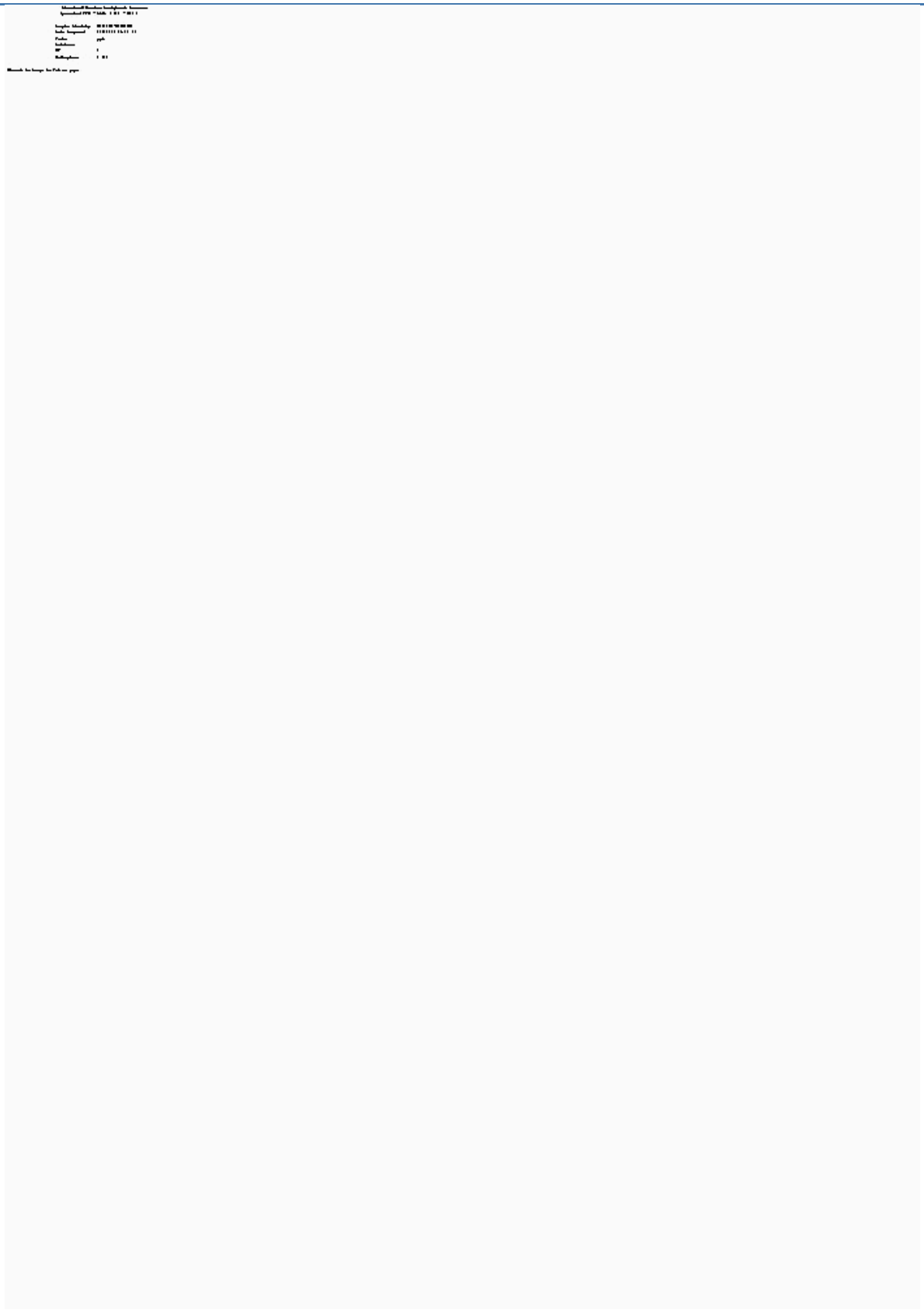
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3238236
Sample ID : CATP043

Depth : 0.20



CERTIFICATE OF ANALYSIS

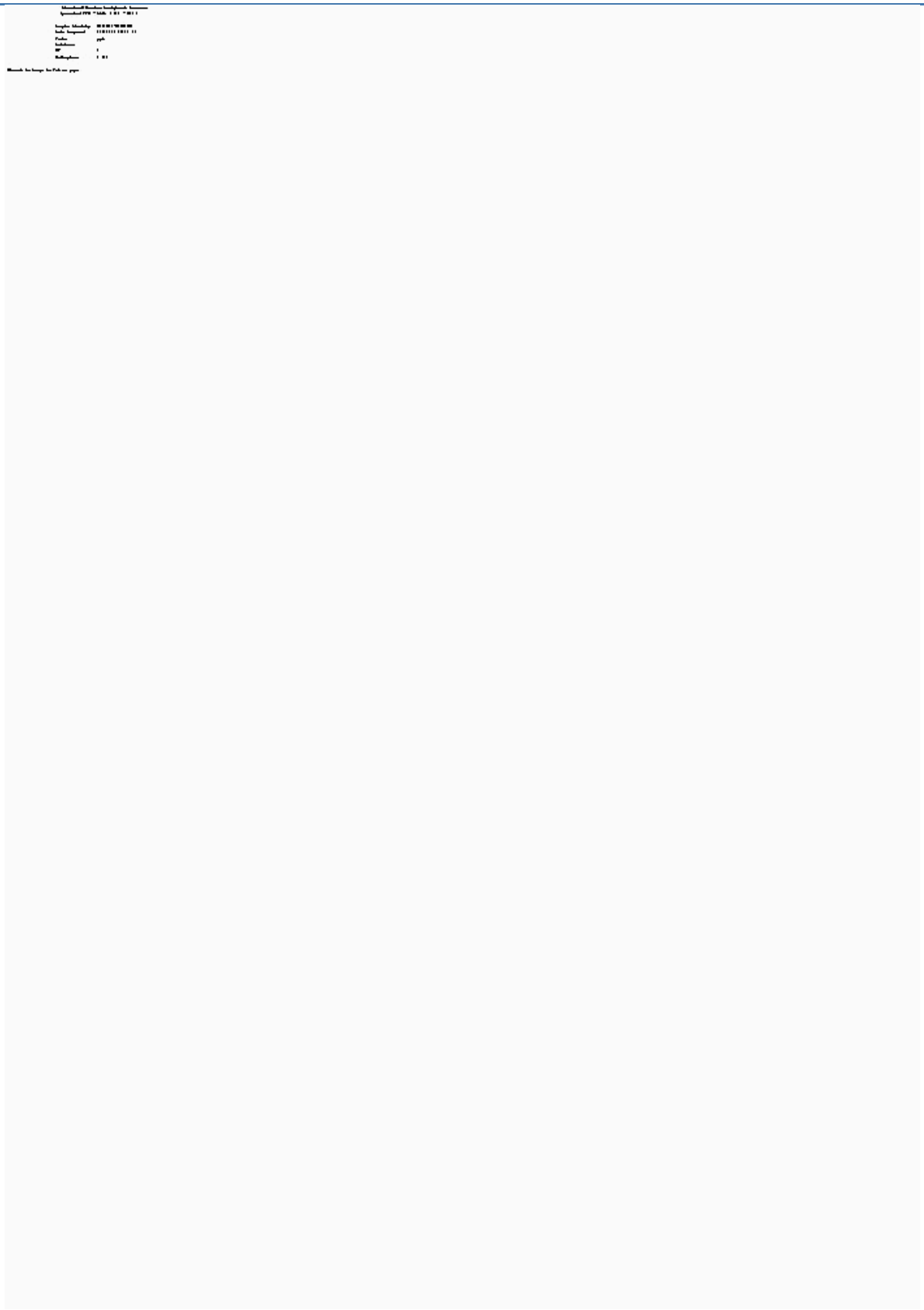
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3238266
Sample ID : CATP031

Depth : 0.60



CERTIFICATE OF ANALYSIS

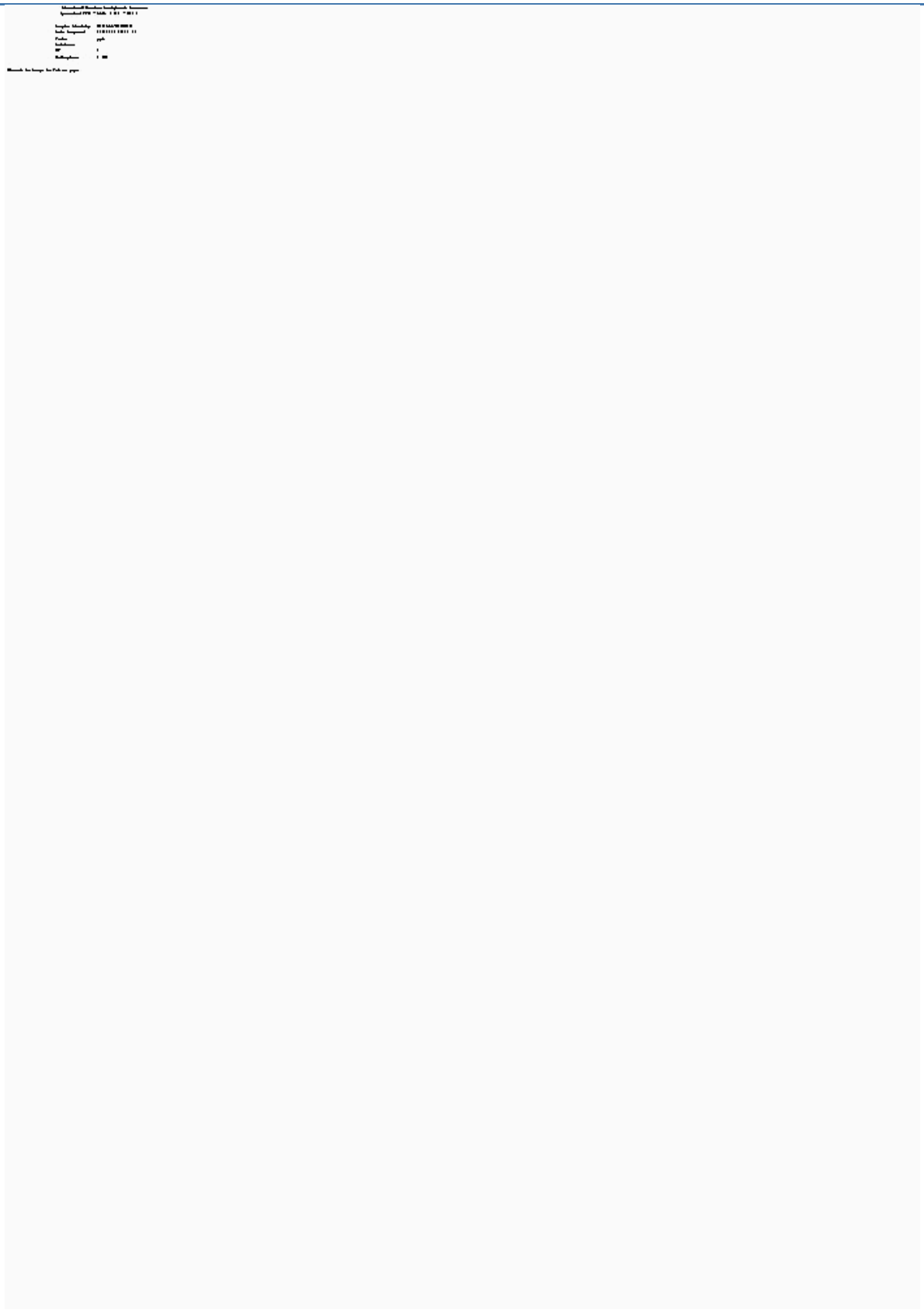
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3238326
Sample ID : CATP030

Depth : 0.80



CERTIFICATE OF ANALYSIS

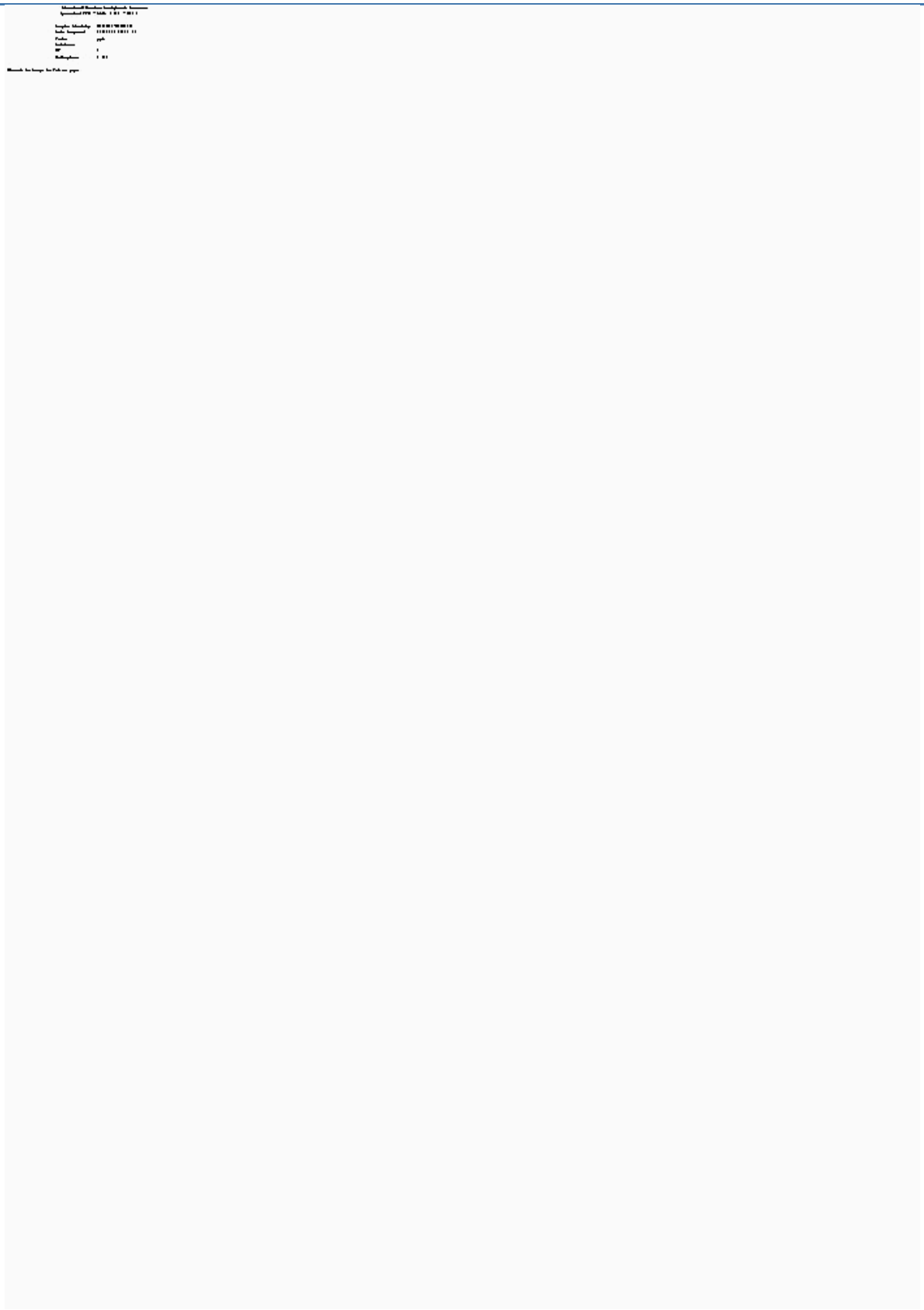
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3238723
Sample ID : CATP031

Depth : 0.20



CERTIFICATE OF ANALYSIS

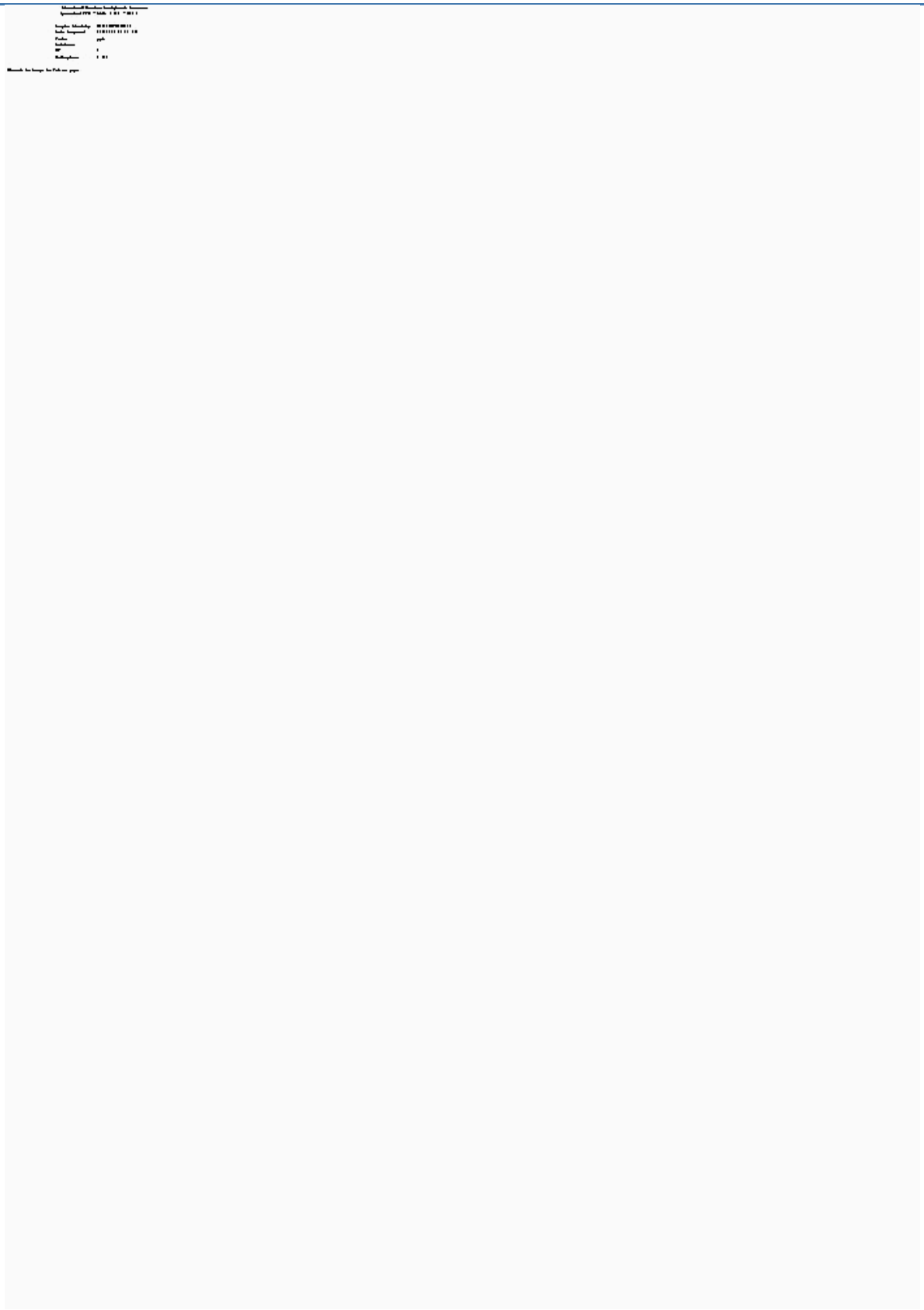
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239128
Sample ID : CATP028

Depth : 0.10



CERTIFICATE OF ANALYSIS

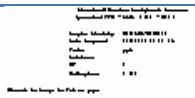
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239144
Sample ID : CATP030

Depth : 0.10



CERTIFICATE OF ANALYSIS

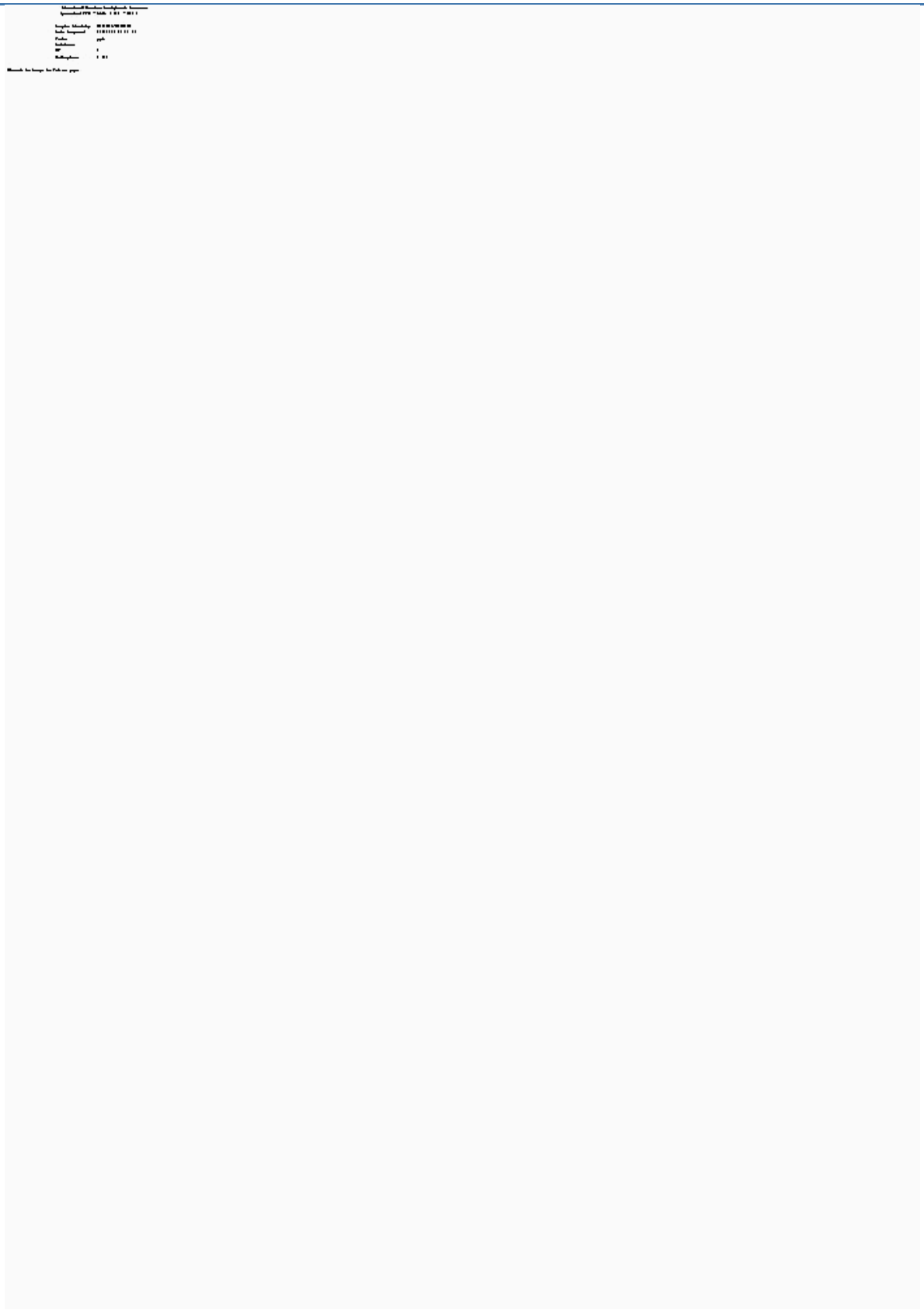
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239161
Sample ID : CATP064

Depth : 0.50



CERTIFICATE OF ANALYSIS

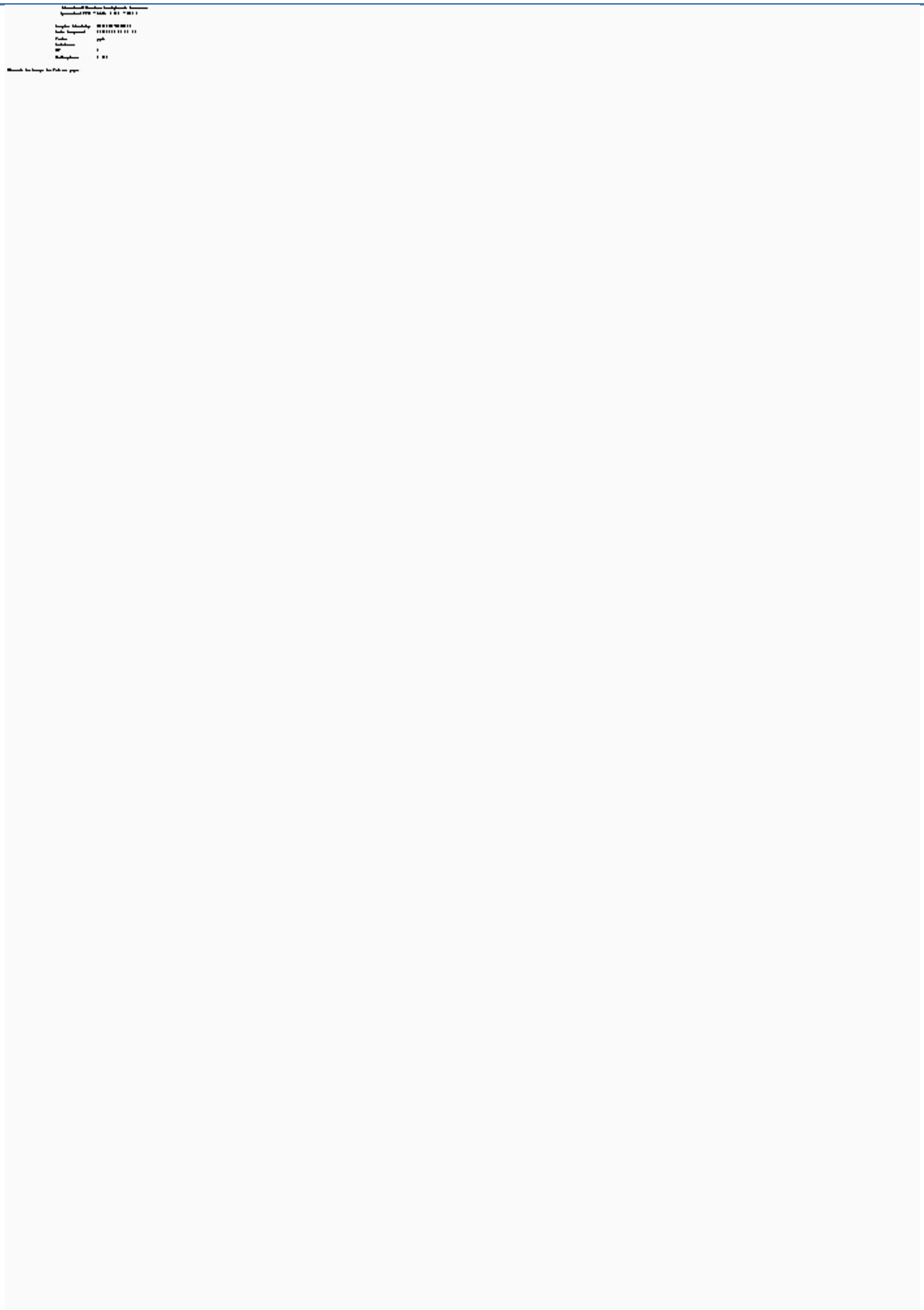
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239188
Sample ID : CATP027

Depth : 1.00



CERTIFICATE OF ANALYSIS

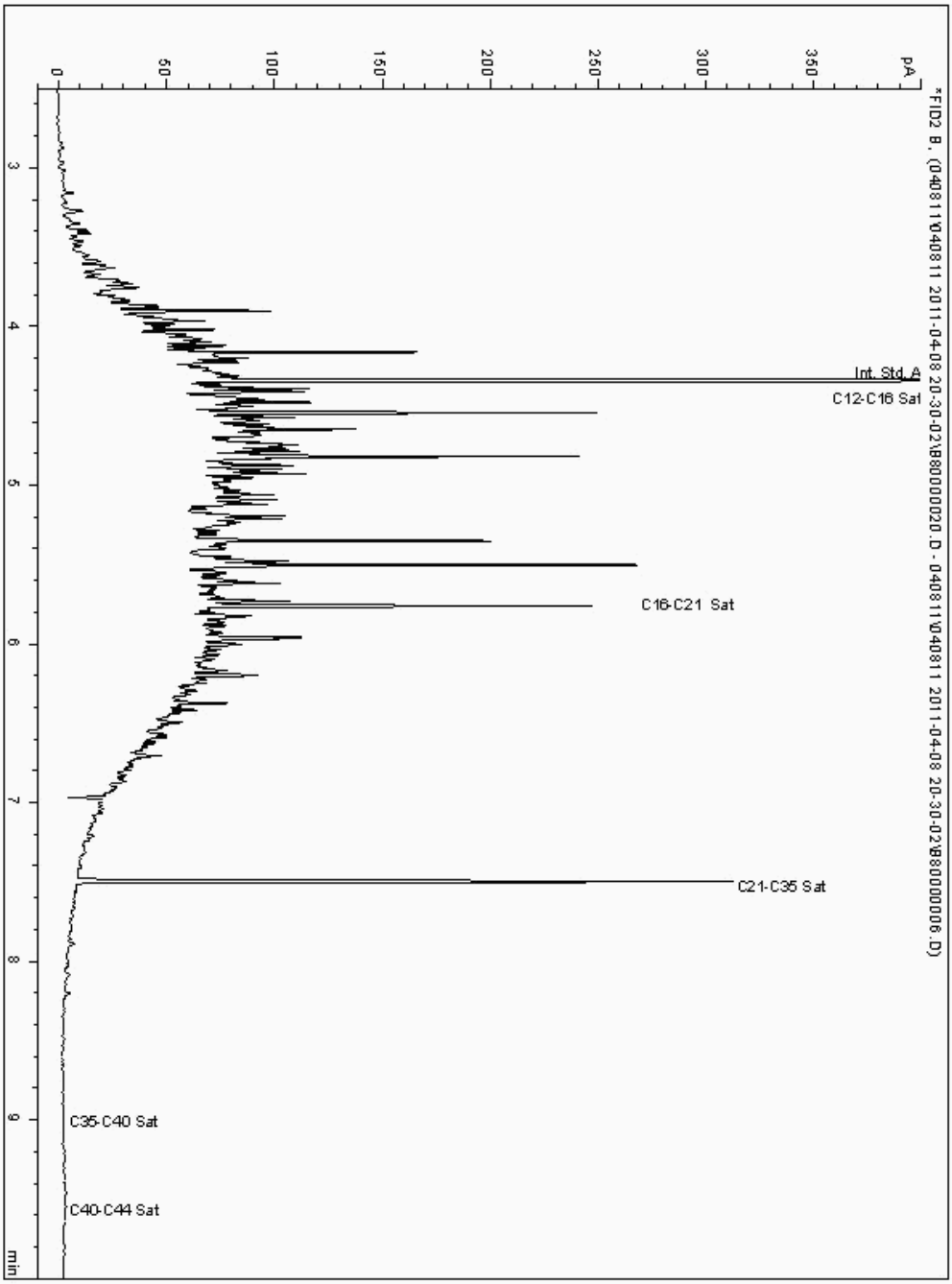
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3239222 **Depth :** 0.80
Sample ID : CATP054

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

Sample Identity: 3271054-3239222
Date Acquired : 08/04/11 16:25:43
Units : ppb
Dilution :
CF : 1
Multiplier : 0.960



CERTIFICATE OF ANALYSIS

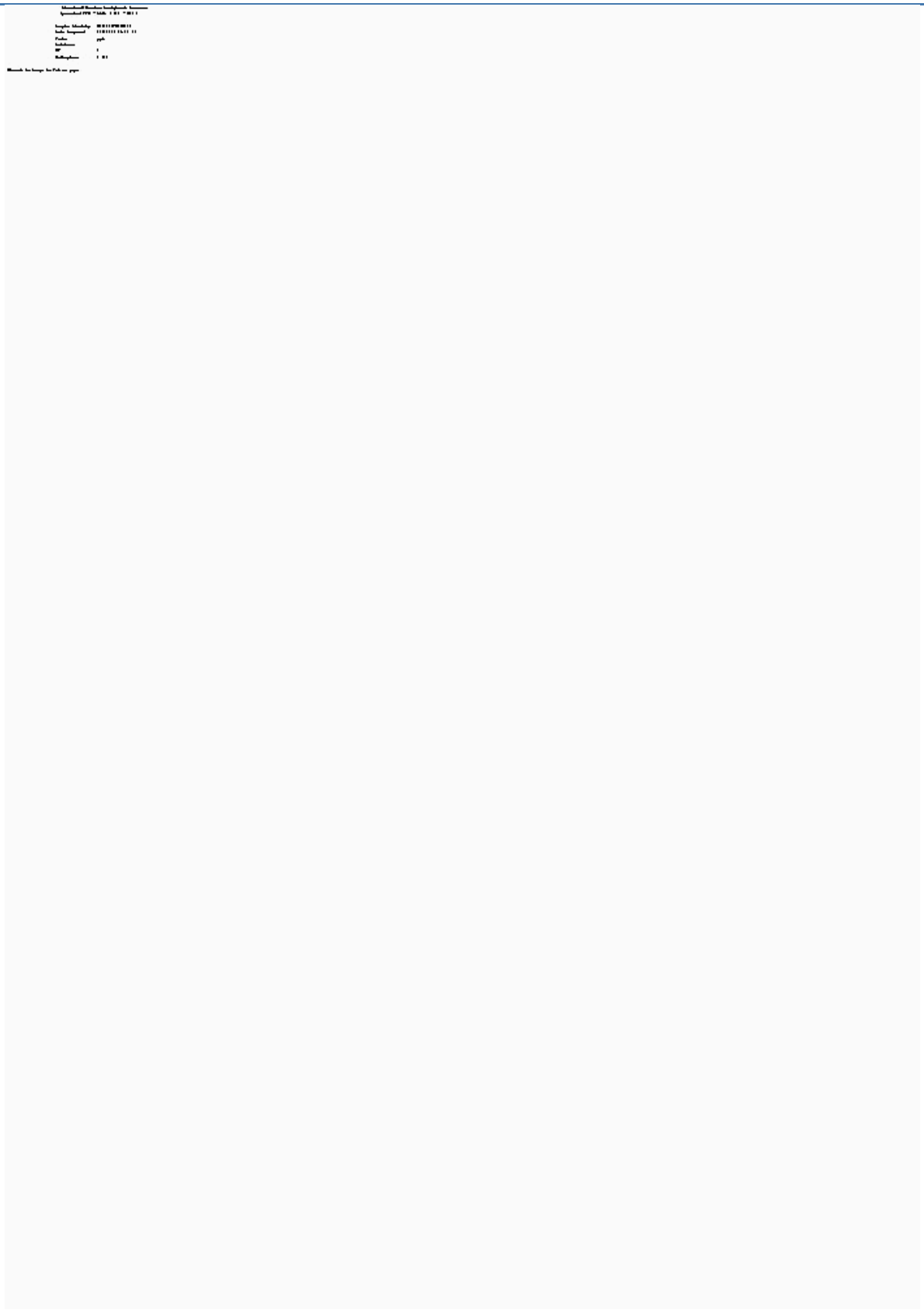
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239244
Sample ID : CATP058

Depth : 0.40



CERTIFICATE OF ANALYSIS

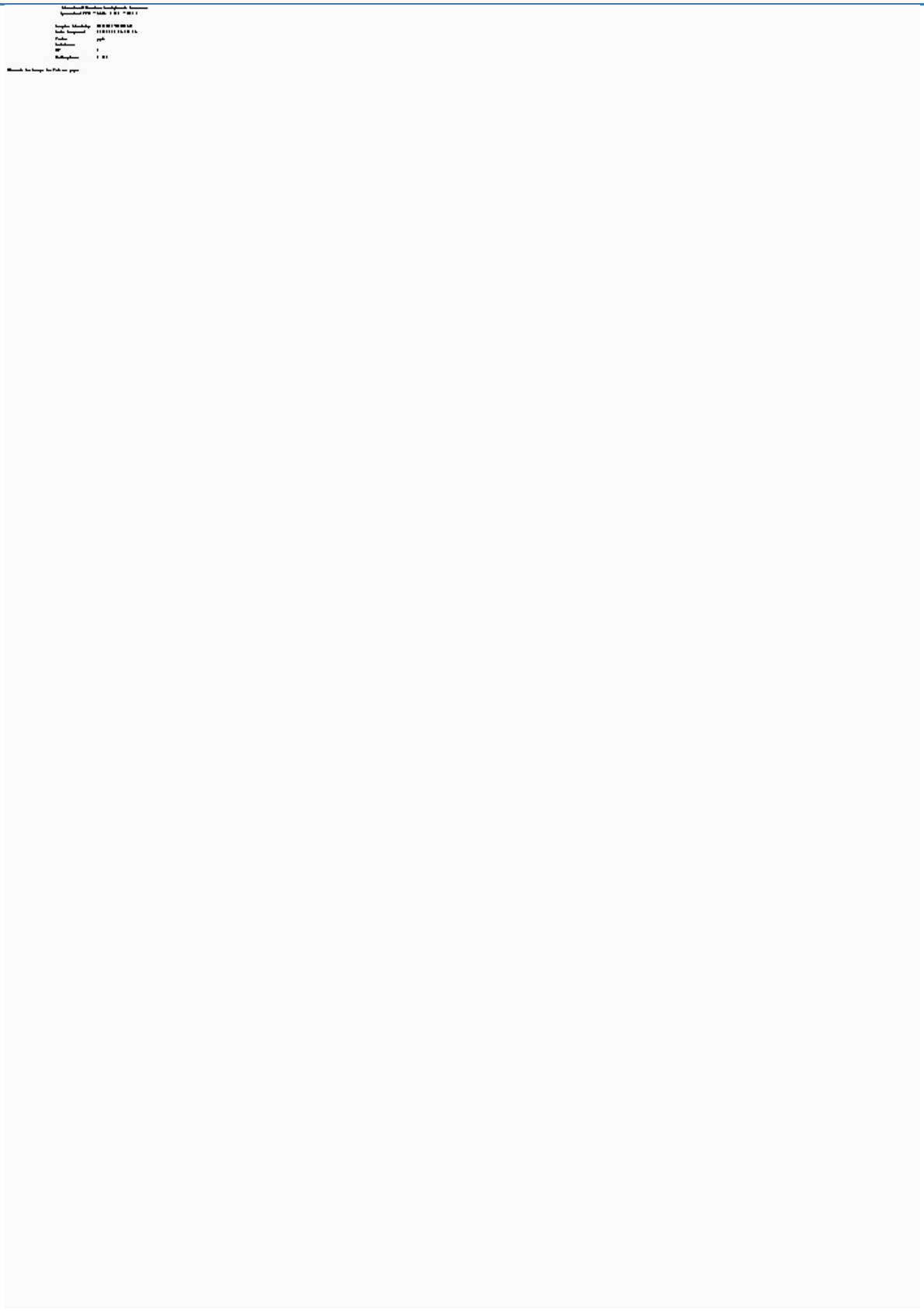
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239293
Sample ID : CATP066

Depth : 0.40



CERTIFICATE OF ANALYSIS

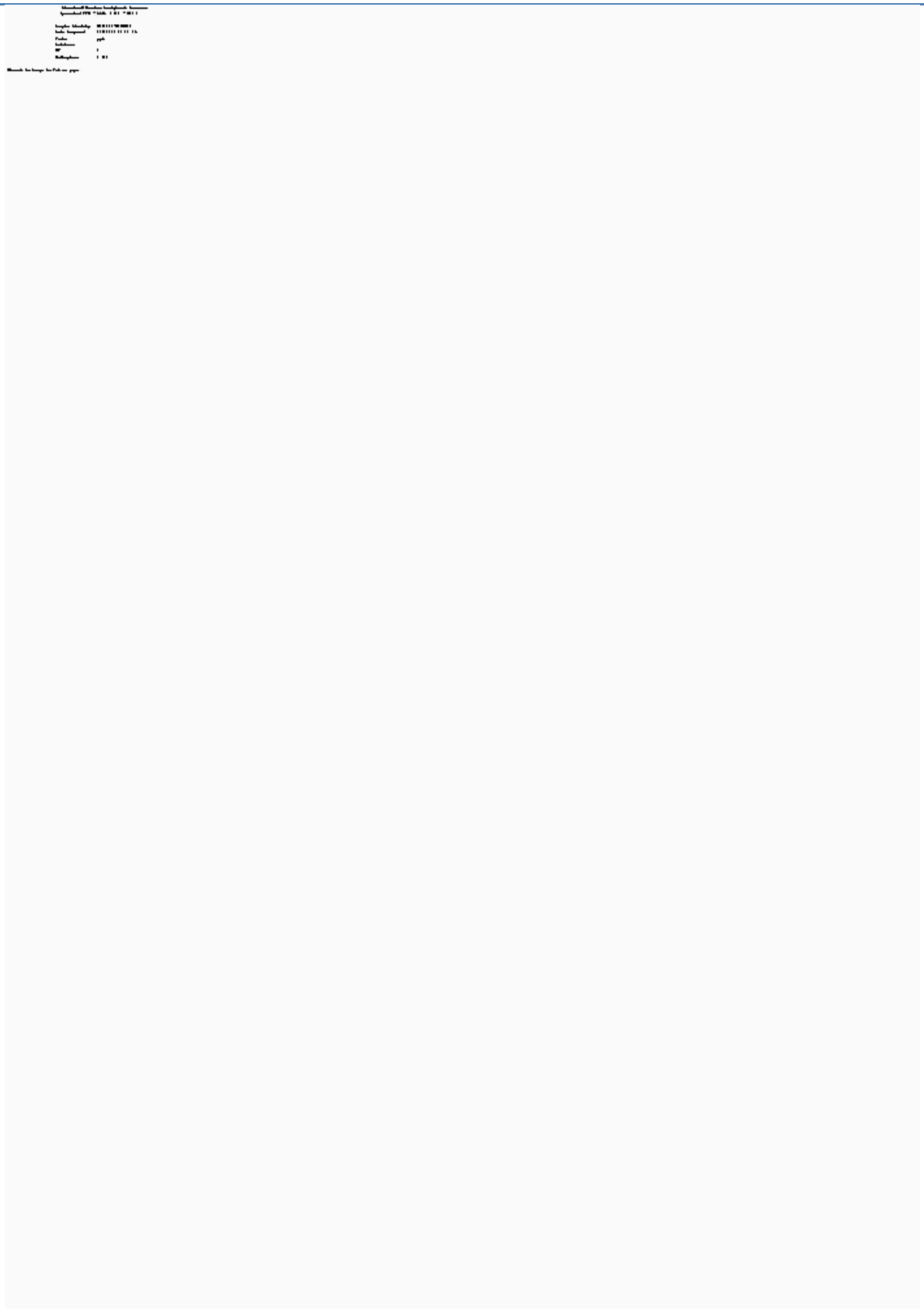
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239321
Sample ID : CATP057

Depth : 0.40



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

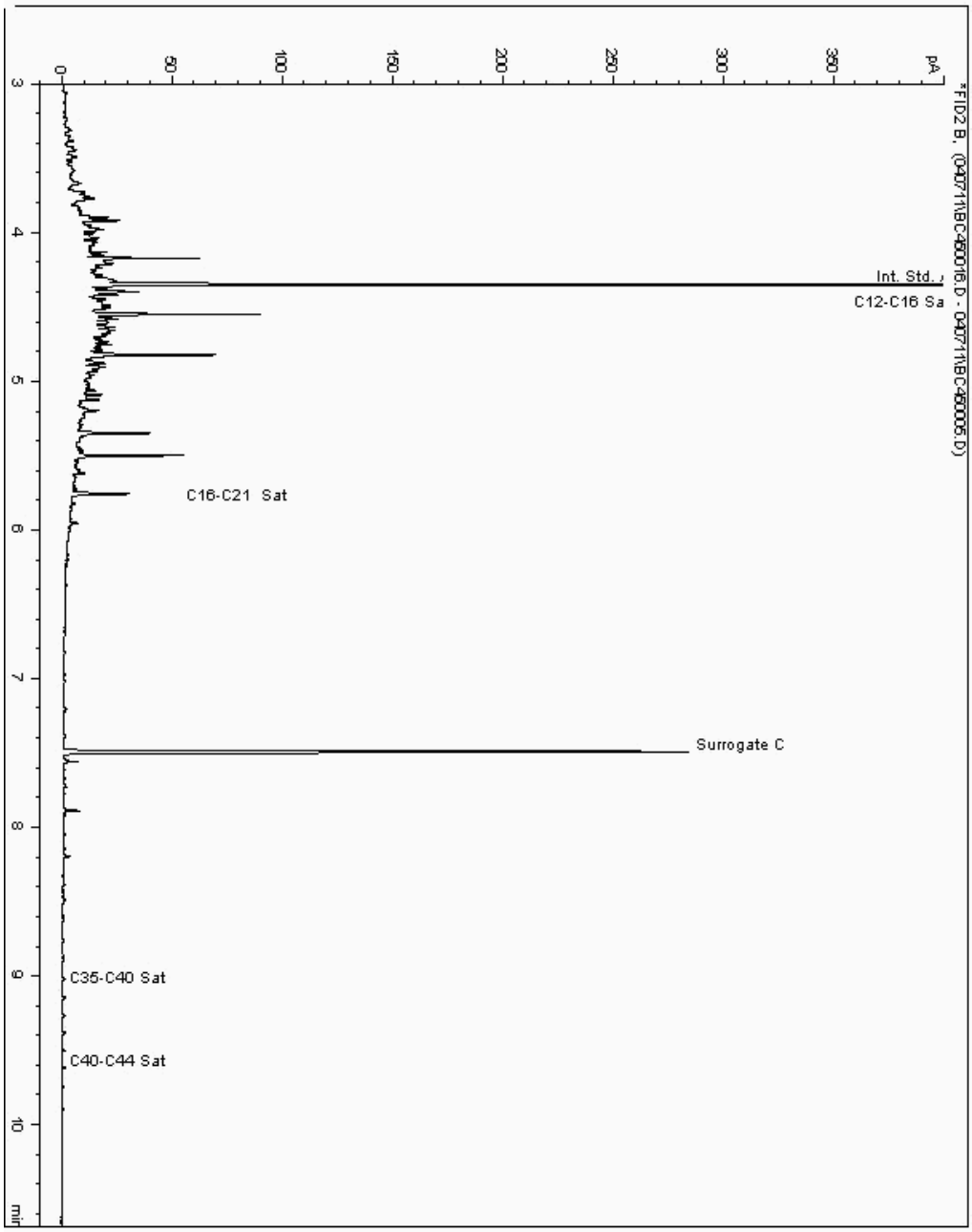
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239356
Sample ID : CATP036

Depth : 0.90

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

Sample Identity: 3271415-3239356
Date Acquired : 08/04/11 02:26:16 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

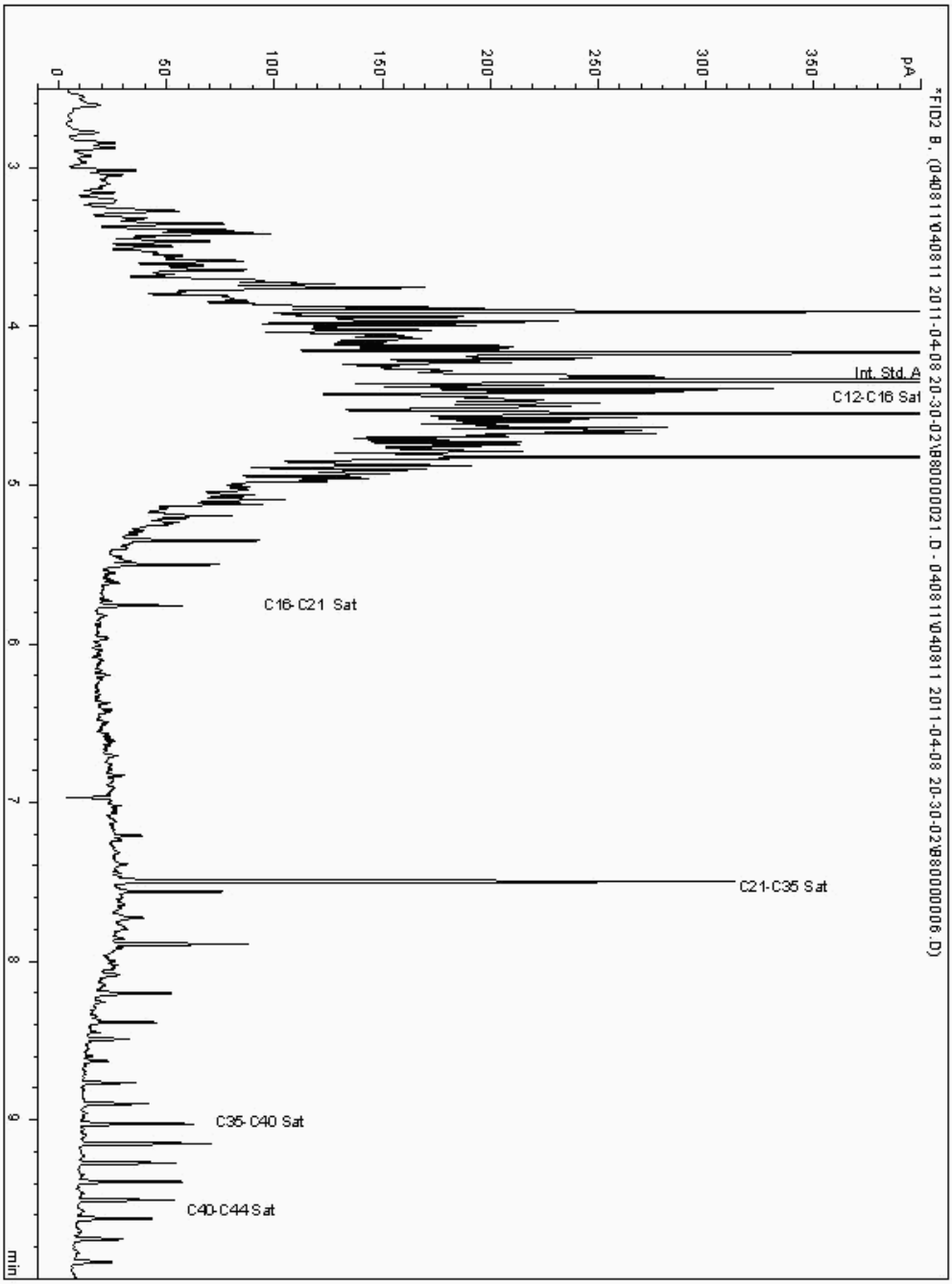
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3239405 **Depth :** 1.30
Sample ID : CATP035

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

Sample Identity: 3271476-3239405
Date Acquired : 08/04/11 16:45:56
Units : ppb
Dilution :
CF : 1
Multiplier : 1.030



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

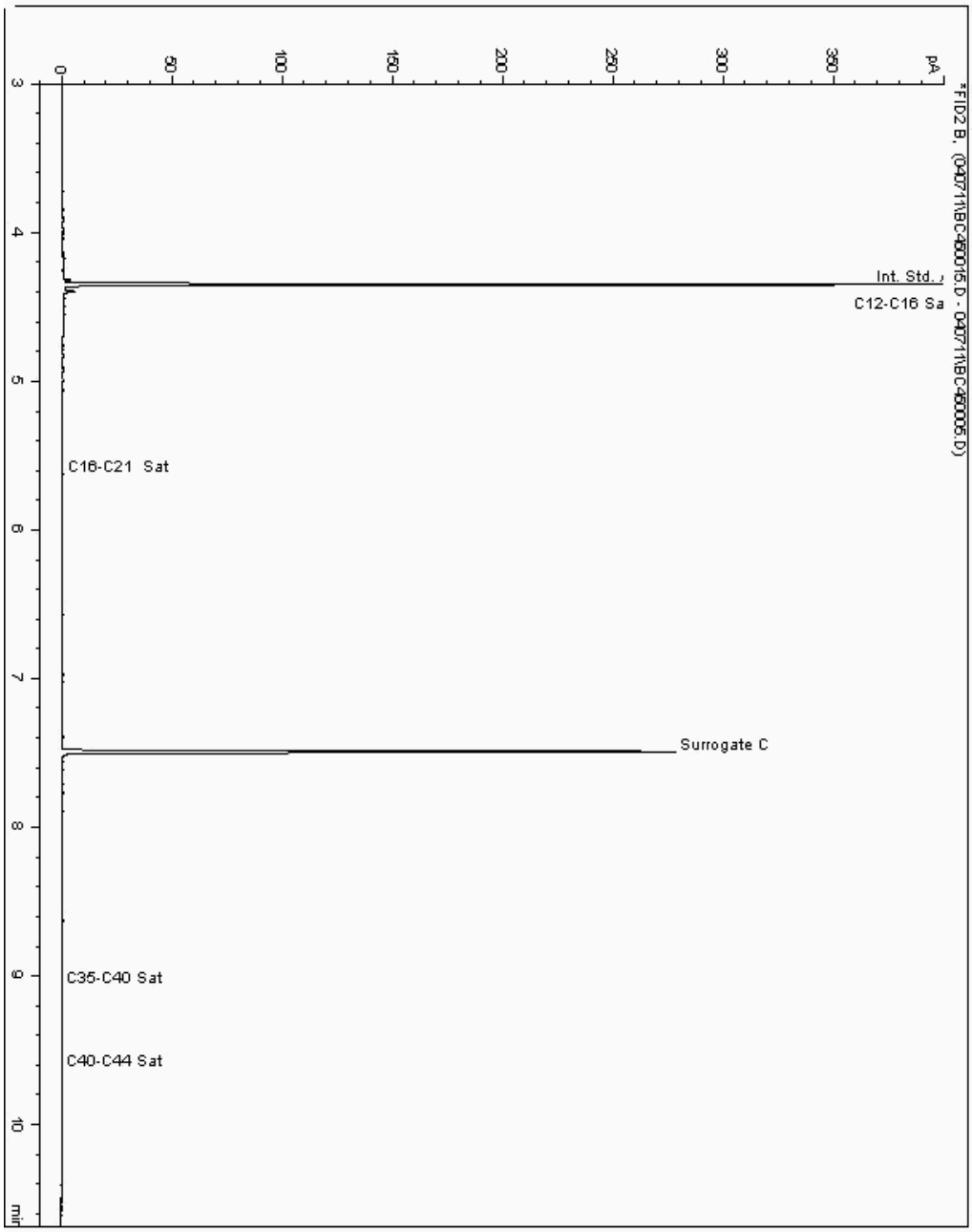
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3239453
Sample ID : CATP067

Depth : 0.90

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

Sample Identity: 3271397-3239453
Date Acquired : 08/04/11 02:06:19 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

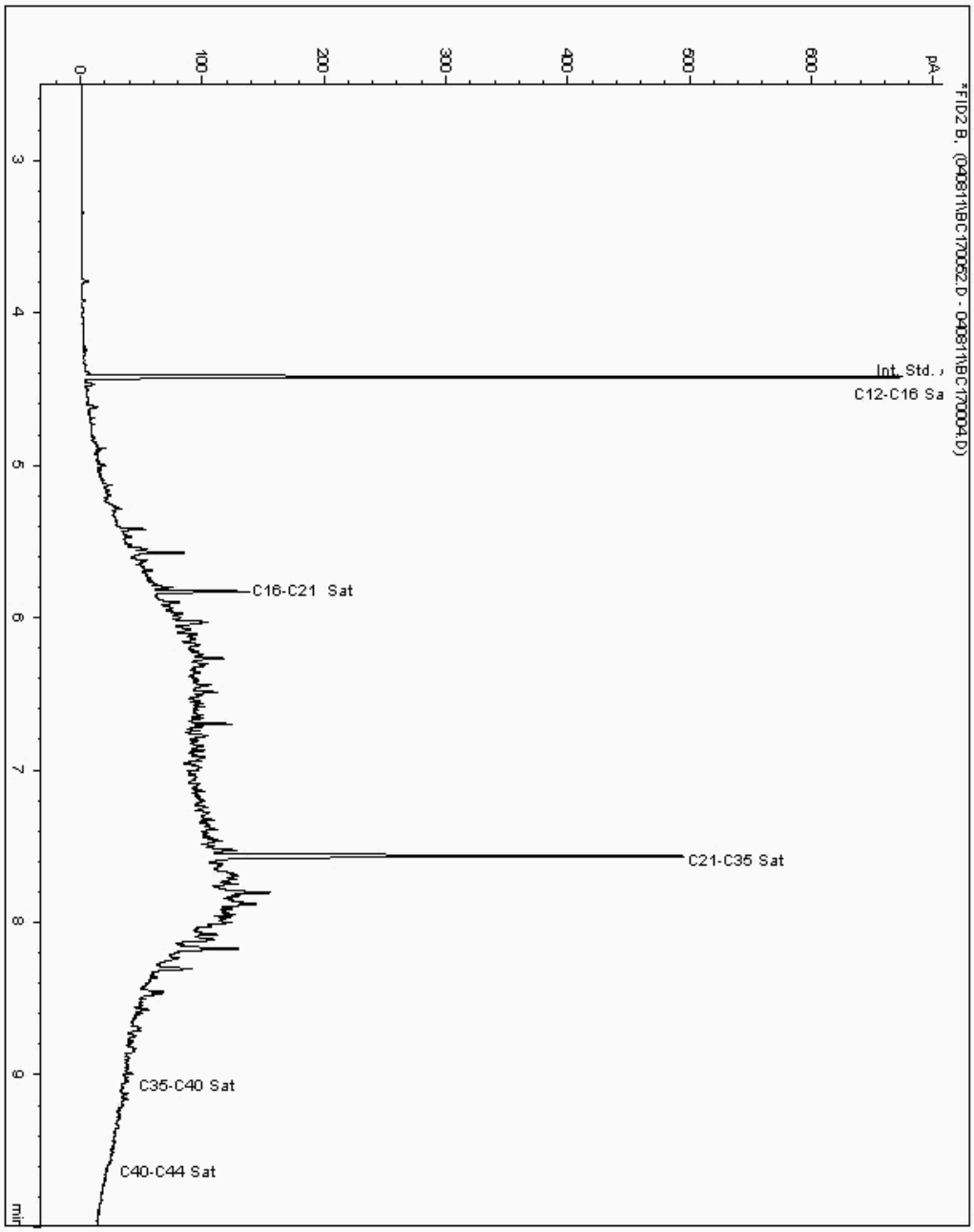
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3241004 **Depth :** 0.30

Sample ID : CATP027

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

Sample Identity: 3270419-3241004
Date Acquired : 11/04/11 07:54:49 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 0.970



CERTIFICATE OF ANALYSIS

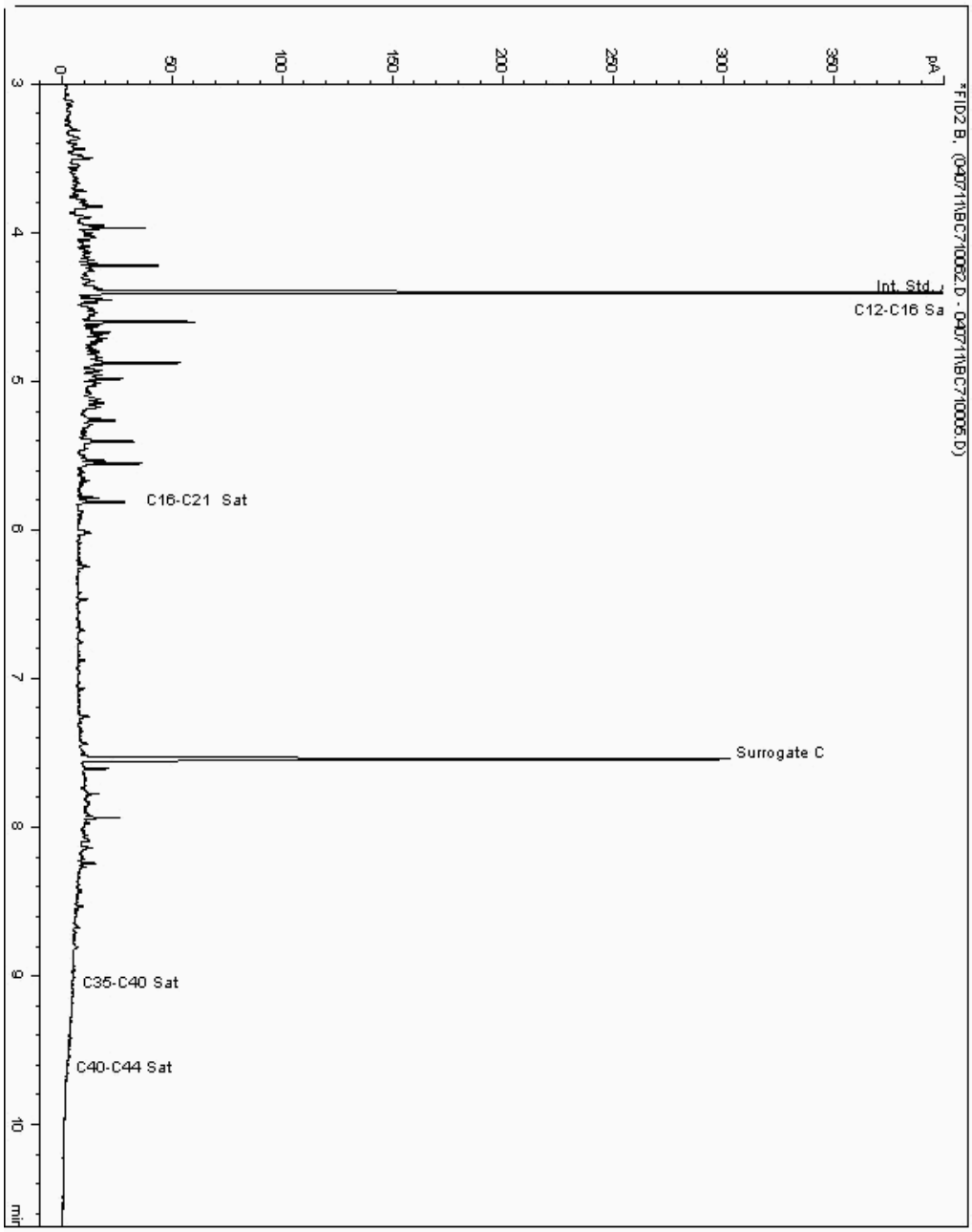
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3241052 **Depth :** 0.40
Sample ID : CATP029

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

Sample Identity: 3270498-3241052
Date Acquired : 08/04/2011 07:31:16 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

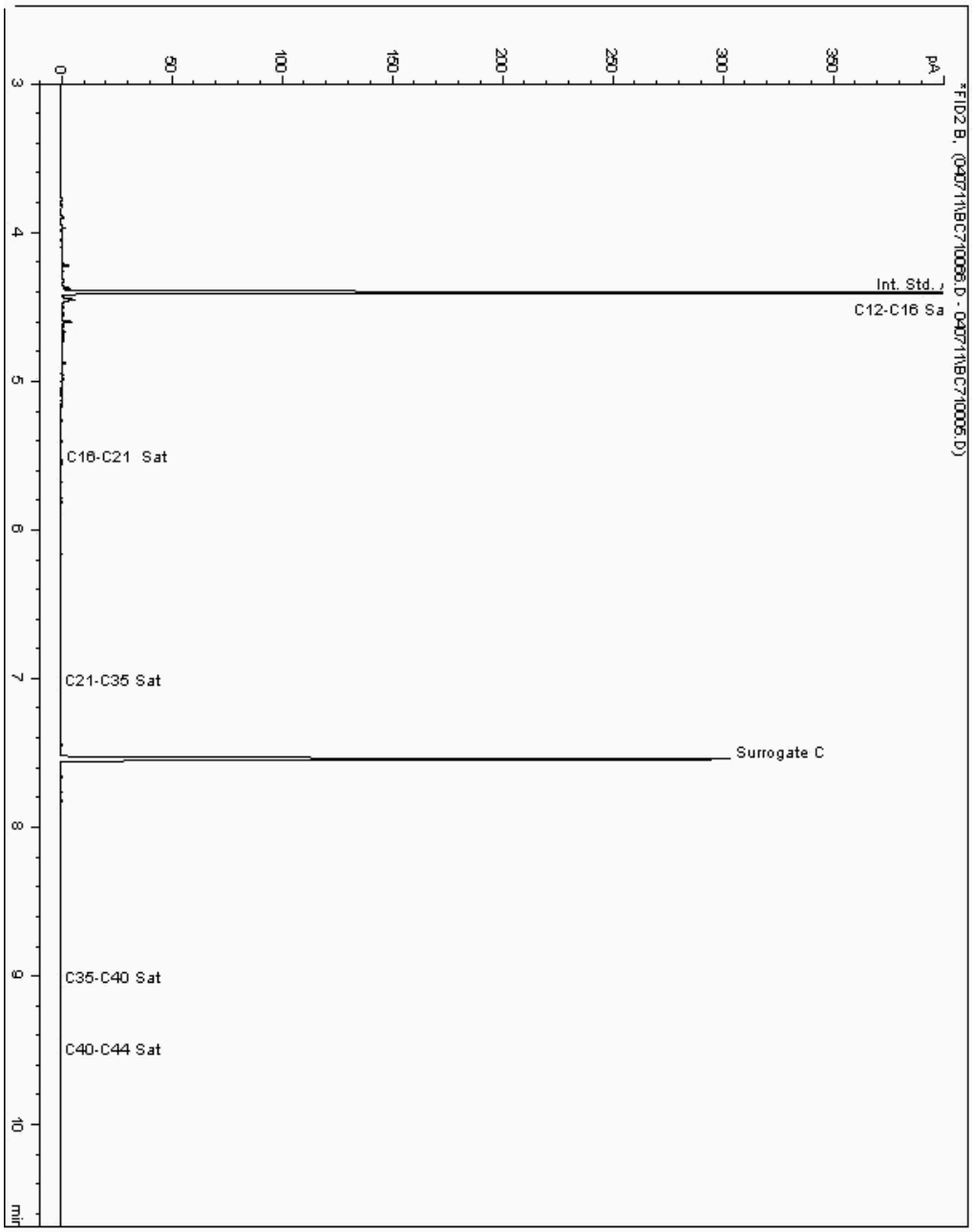
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3242085
Sample ID : CATP066

Depth : 0.80

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

Sample Identity: 3271363-3242085
Date Acquired : 08/04/2011 08:30:04 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

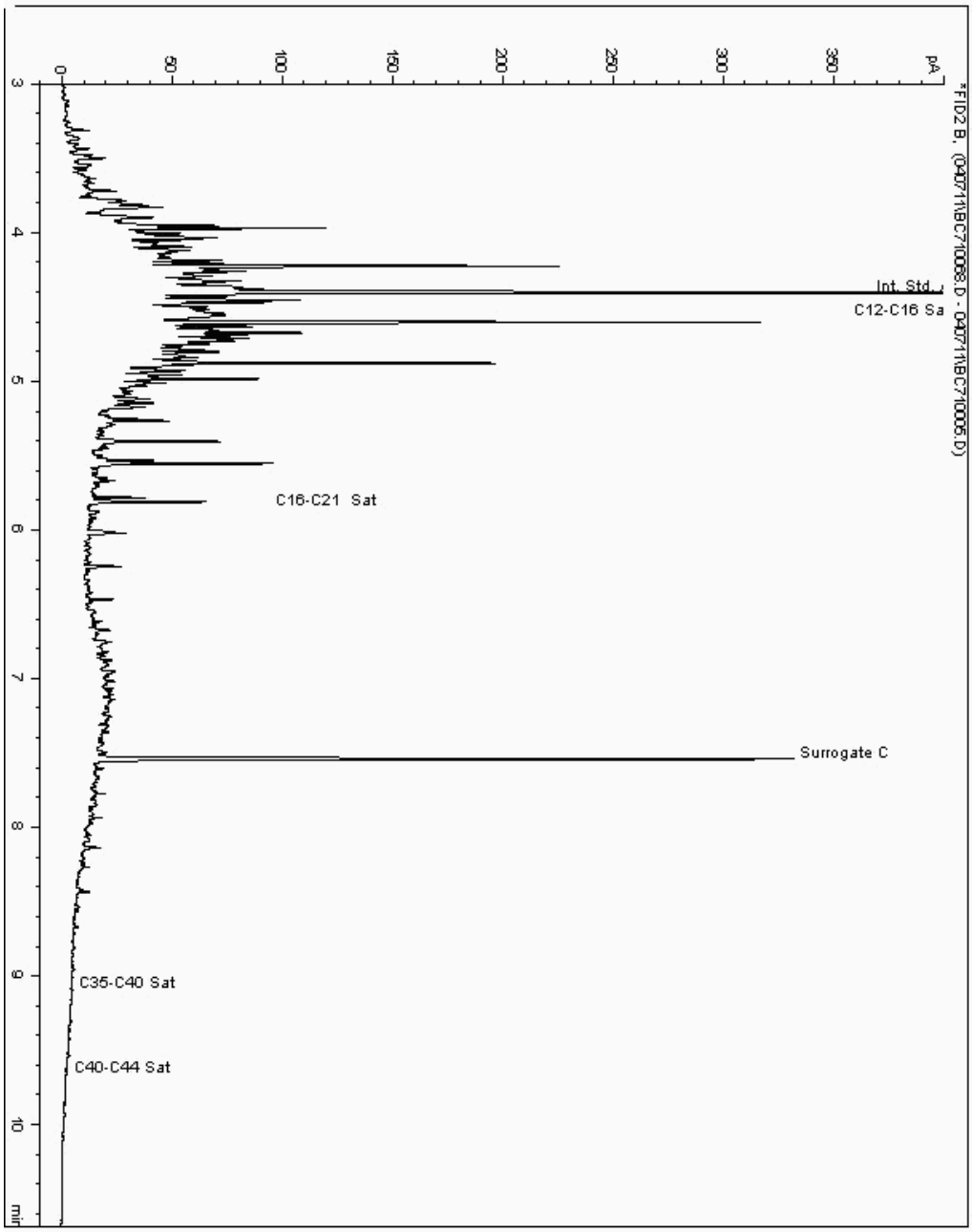
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3242094
Sample ID : CATP035

Depth : 0.50

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

Sample Identity: 3271461-3242094
Date Acquired : 08/04/2011 09:08:53 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

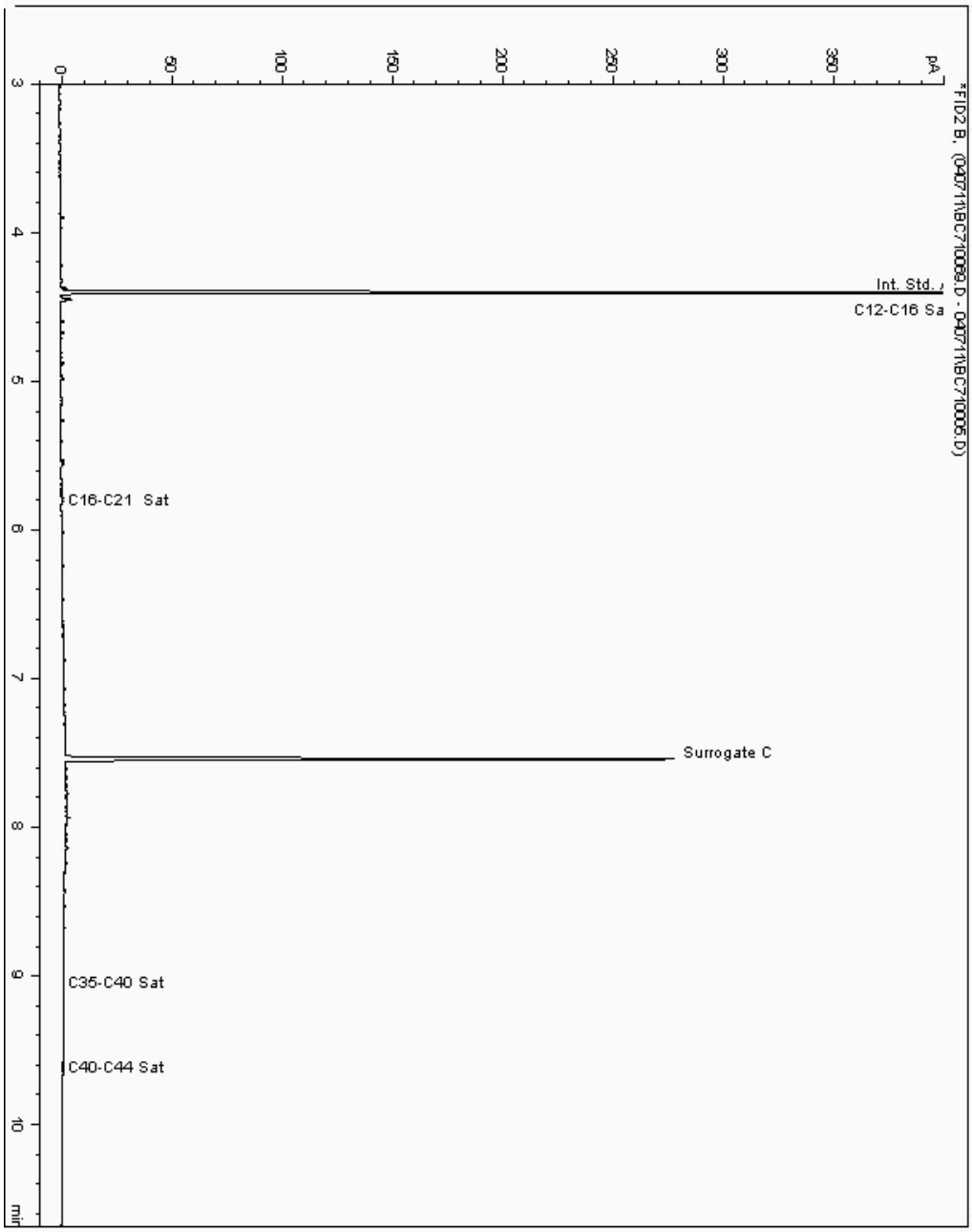
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3242118
Sample ID : CATP056

Depth : 0.20

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

Sample Identity: 3271951-3242118
Date Acquired : 08/04/2011 09:28:16 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

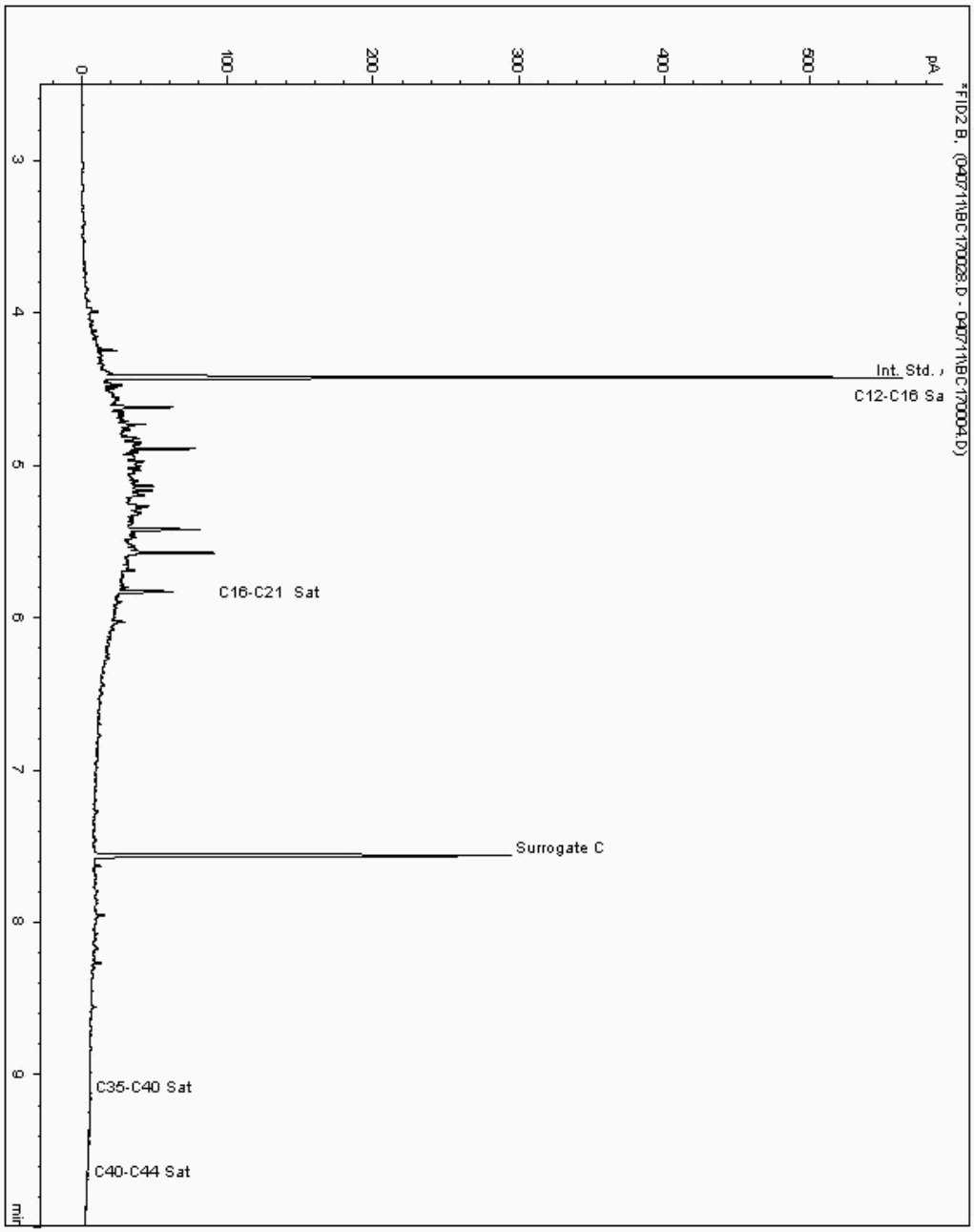
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3242147
Sample ID : CATP063

Depth : 1.30

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

Sample Identity: 3272262-3242147
Date Acquired : 07/04/11 23:50:26 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 1.050



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

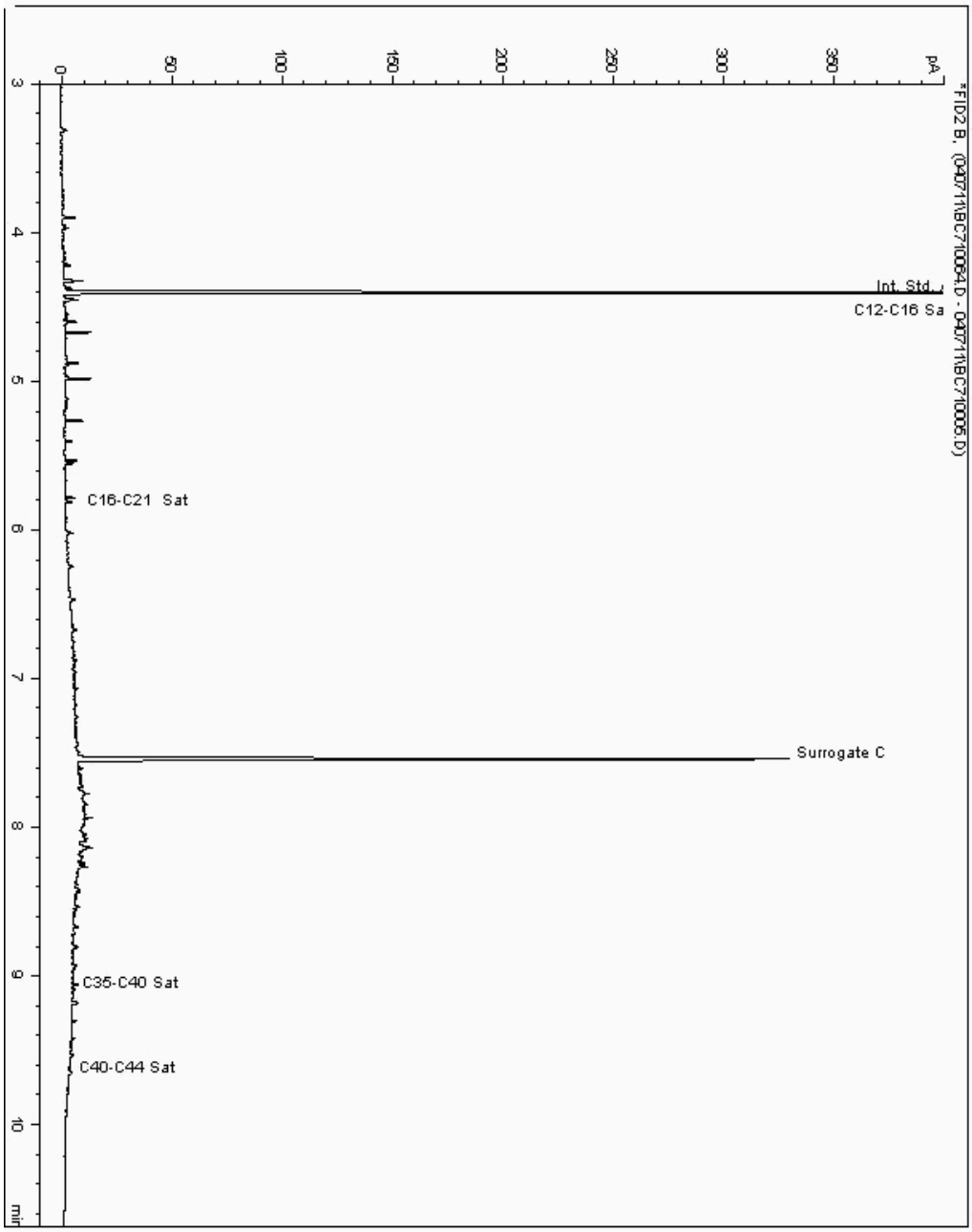
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242179 **Depth :** 0.50

Sample ID : CATP063

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

Sample Identity: 3272206-3242179
Date Acquired : 08/04/2011 08:00:40 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

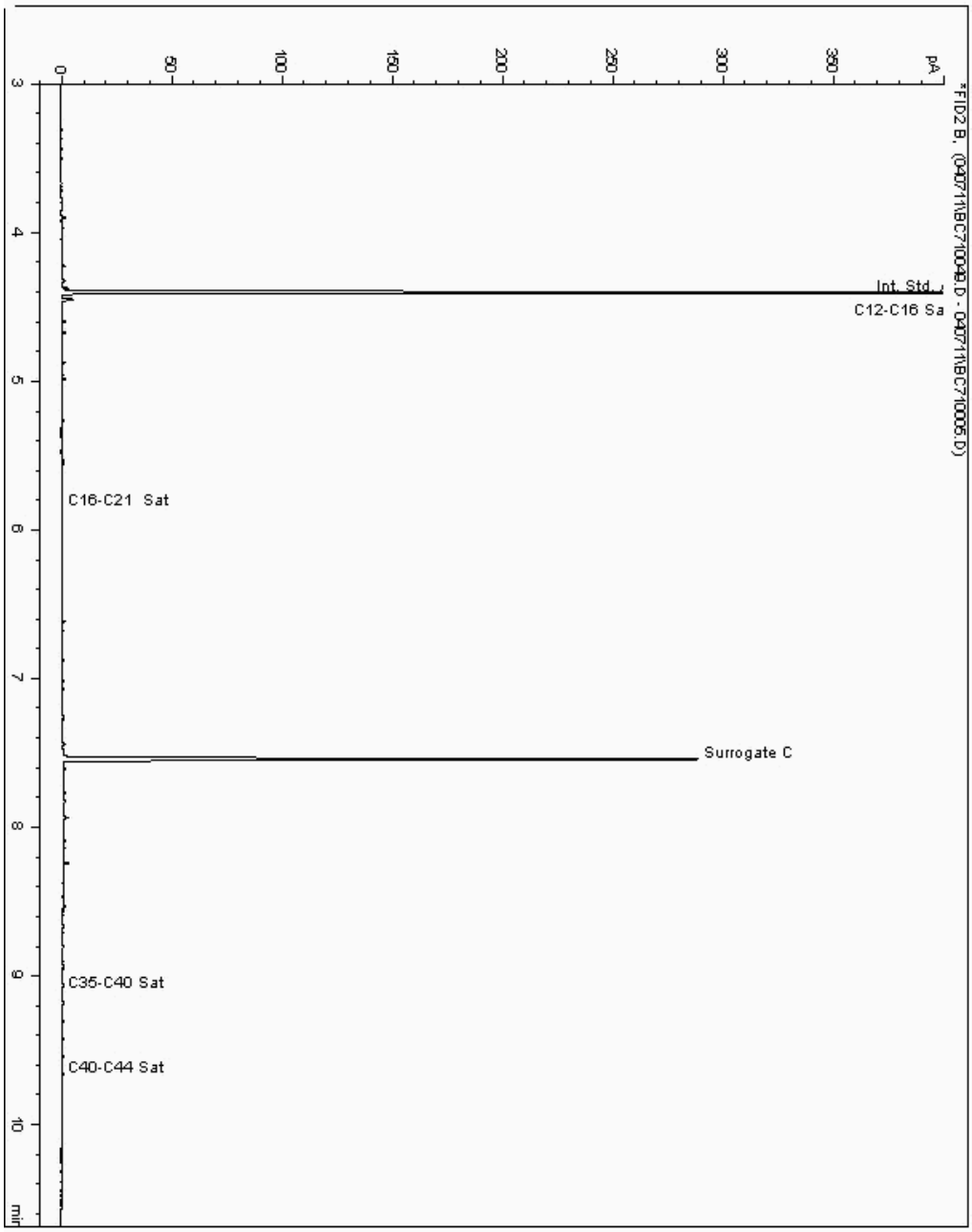
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242207 **Depth :** 0.30
Sample ID : CATP050

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

Sample Identity: 3270928-3242207
Date Acquired : 08/04/2011 03:37:11 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

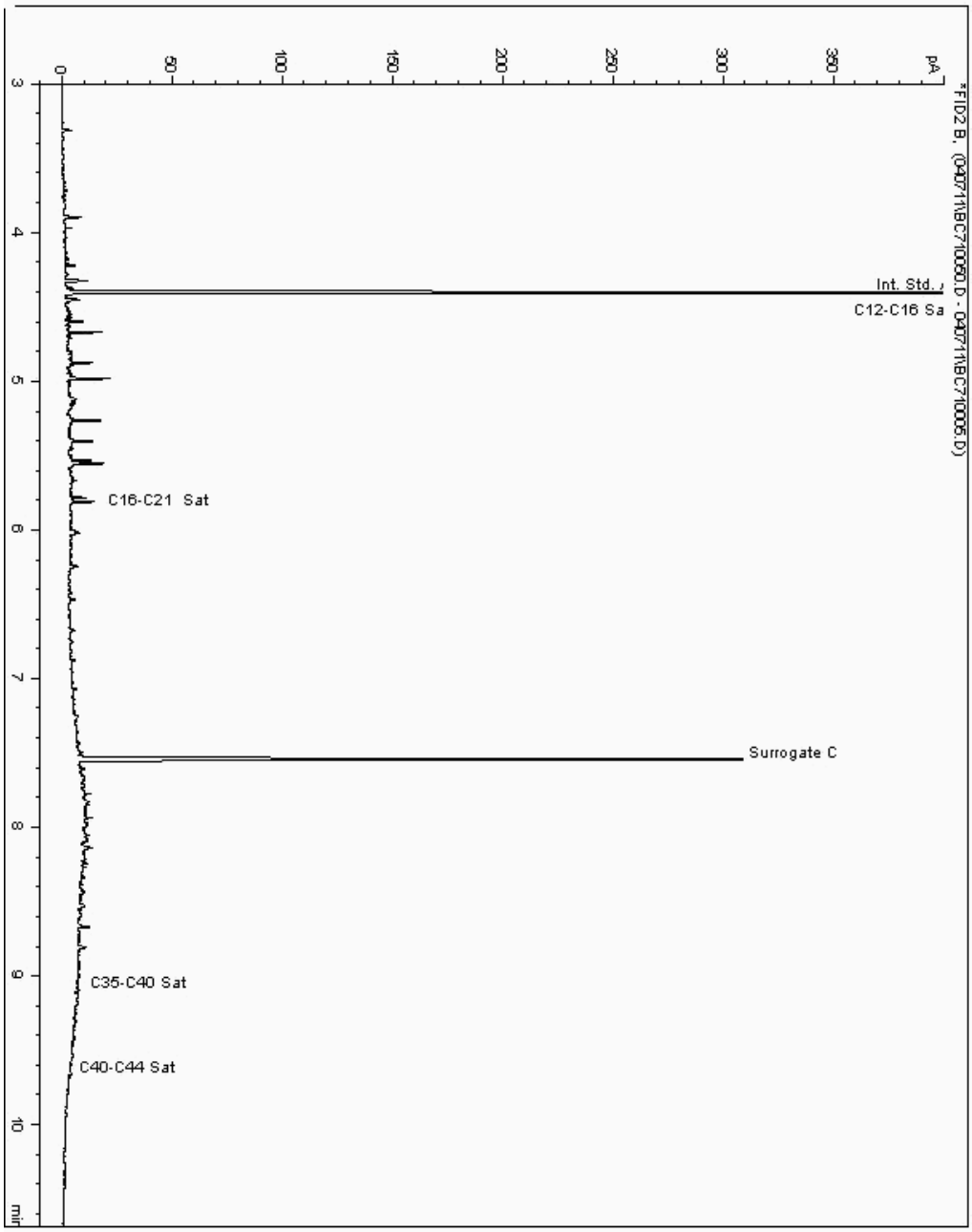
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242232 **Depth :** 0.20
Sample ID : CATP051

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

Sample Identity: 3270947-3242232
Date Acquired : 08/04/2011 03:56:39 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

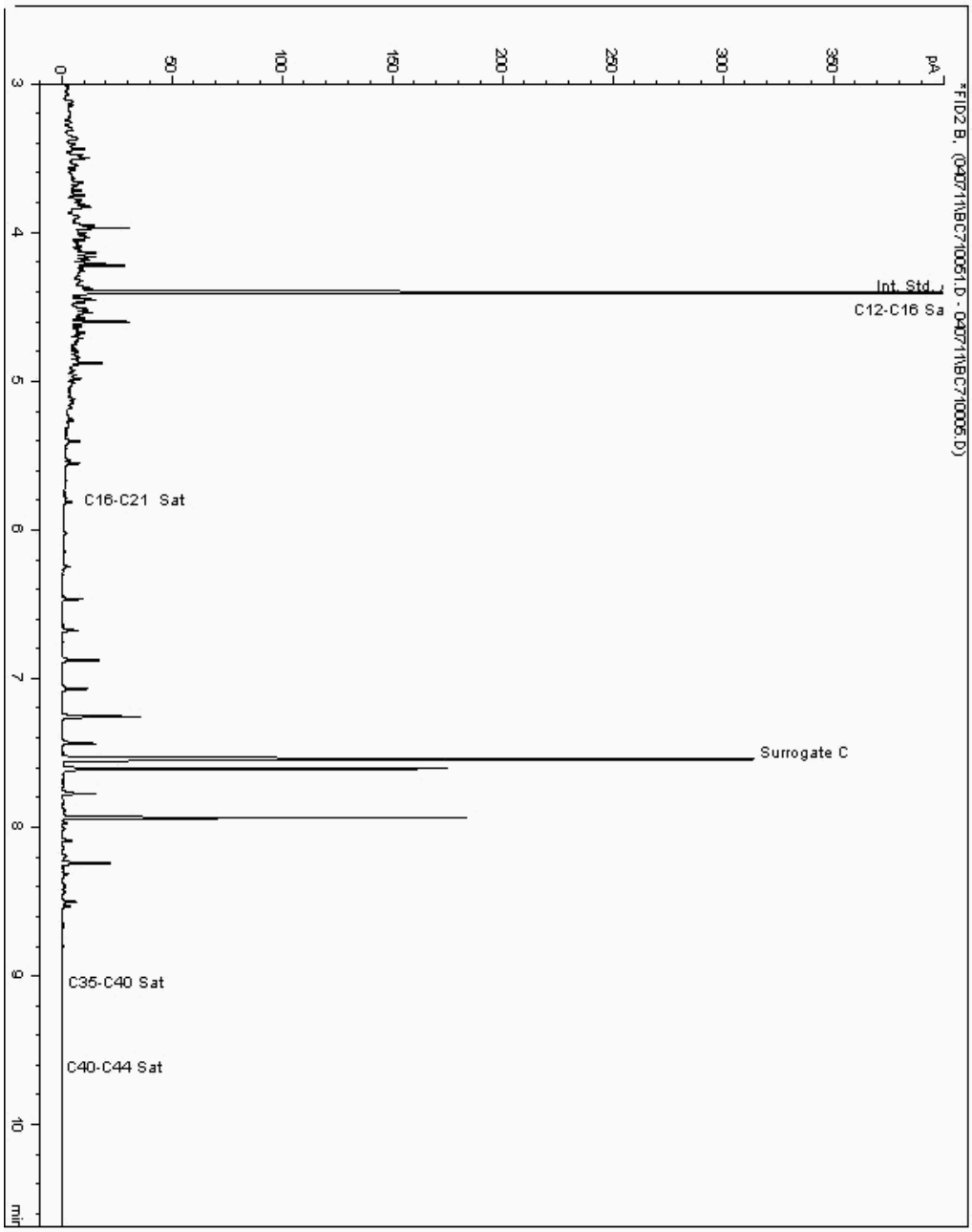
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3242253
Sample ID : CATP029

Depth : 0.80

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

Sample Identity: 3270521-3242253
Date Acquired : 08/04/2011 04:16:06 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

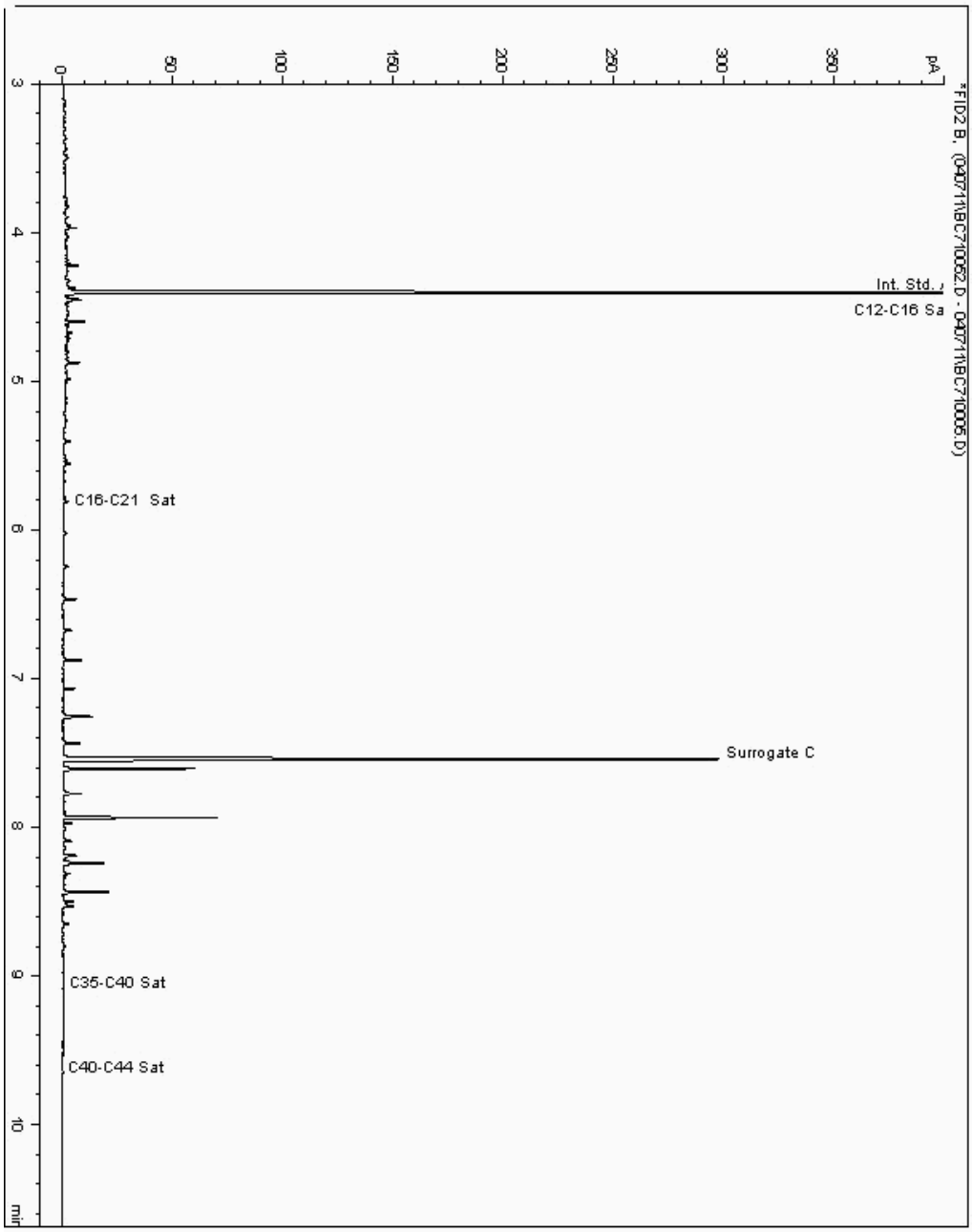
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242267 **Depth :** 0.70

Sample ID : CATP028

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

Sample Identity: 3270477-3242267
Date Acquired : 08/04/2011 04:35:32 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

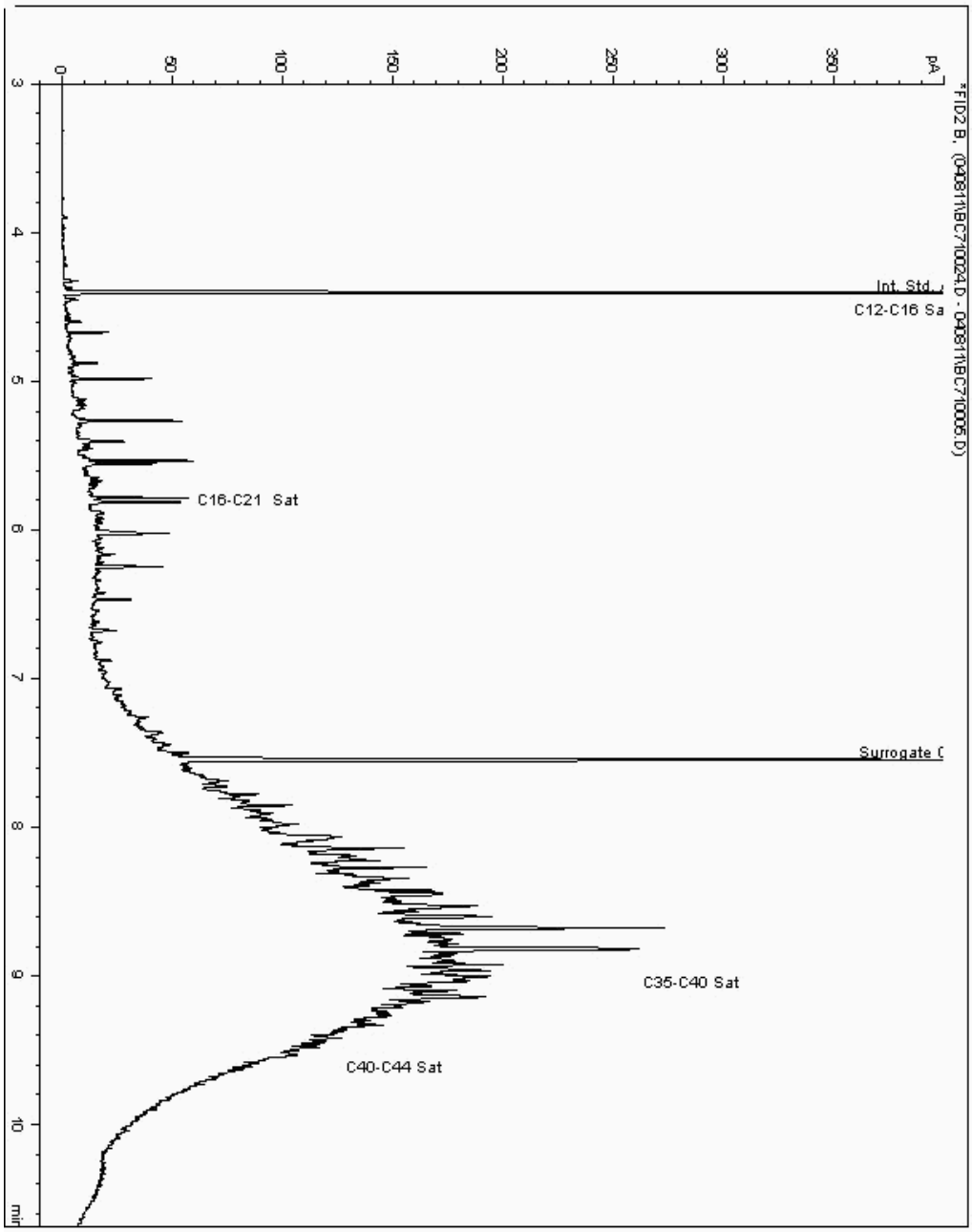
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3242283
Sample ID : CATP051

Depth : 0.60

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

Sample Identity: 3270983-3242283
Date Acquired : 09/04/2011 03:55:06 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

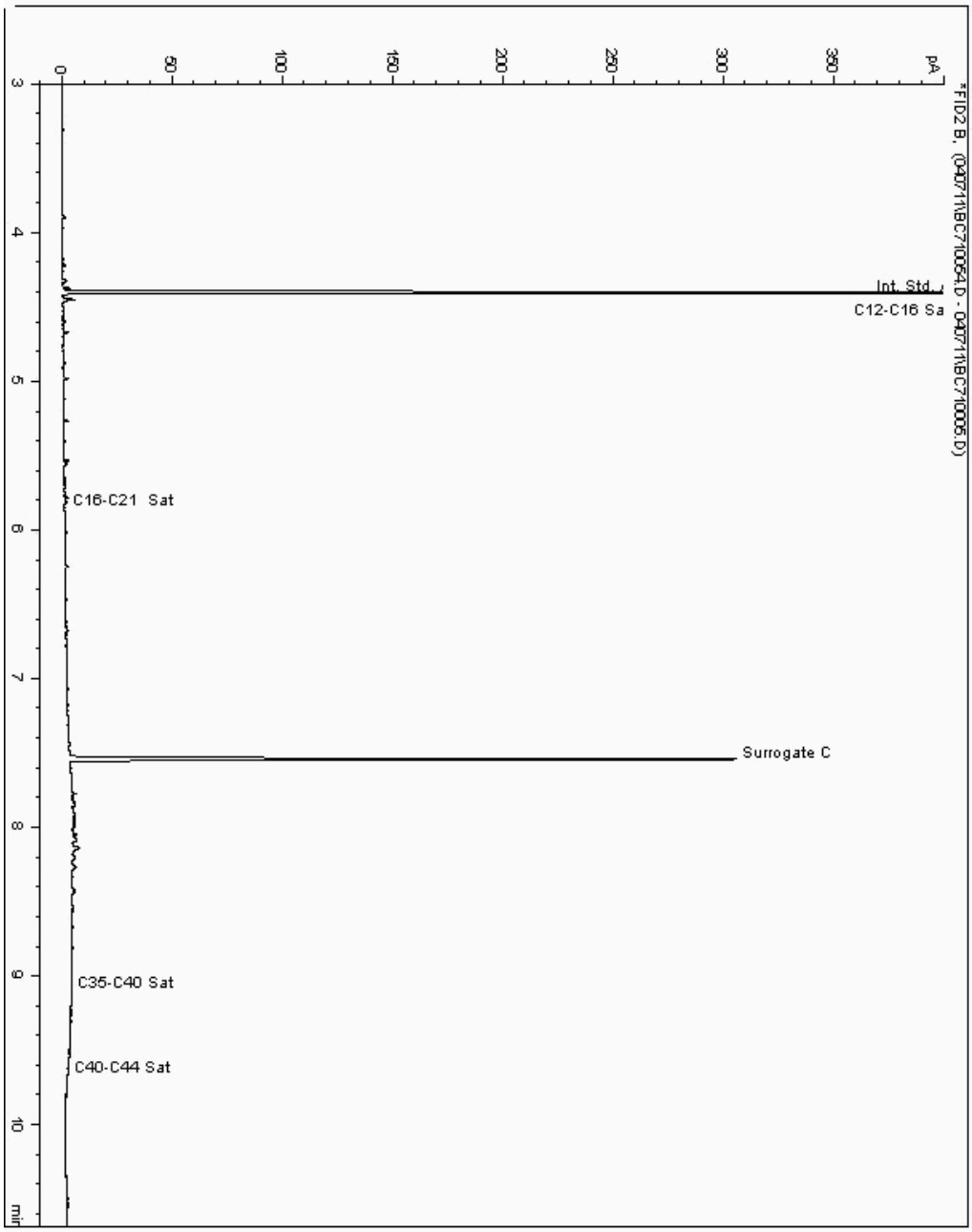
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242296 **Depth :** 0.40
Sample ID : CATP065

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

Sample Identity: 3271324-3242296
Date Acquired : 08/04/2011 05:14:32 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

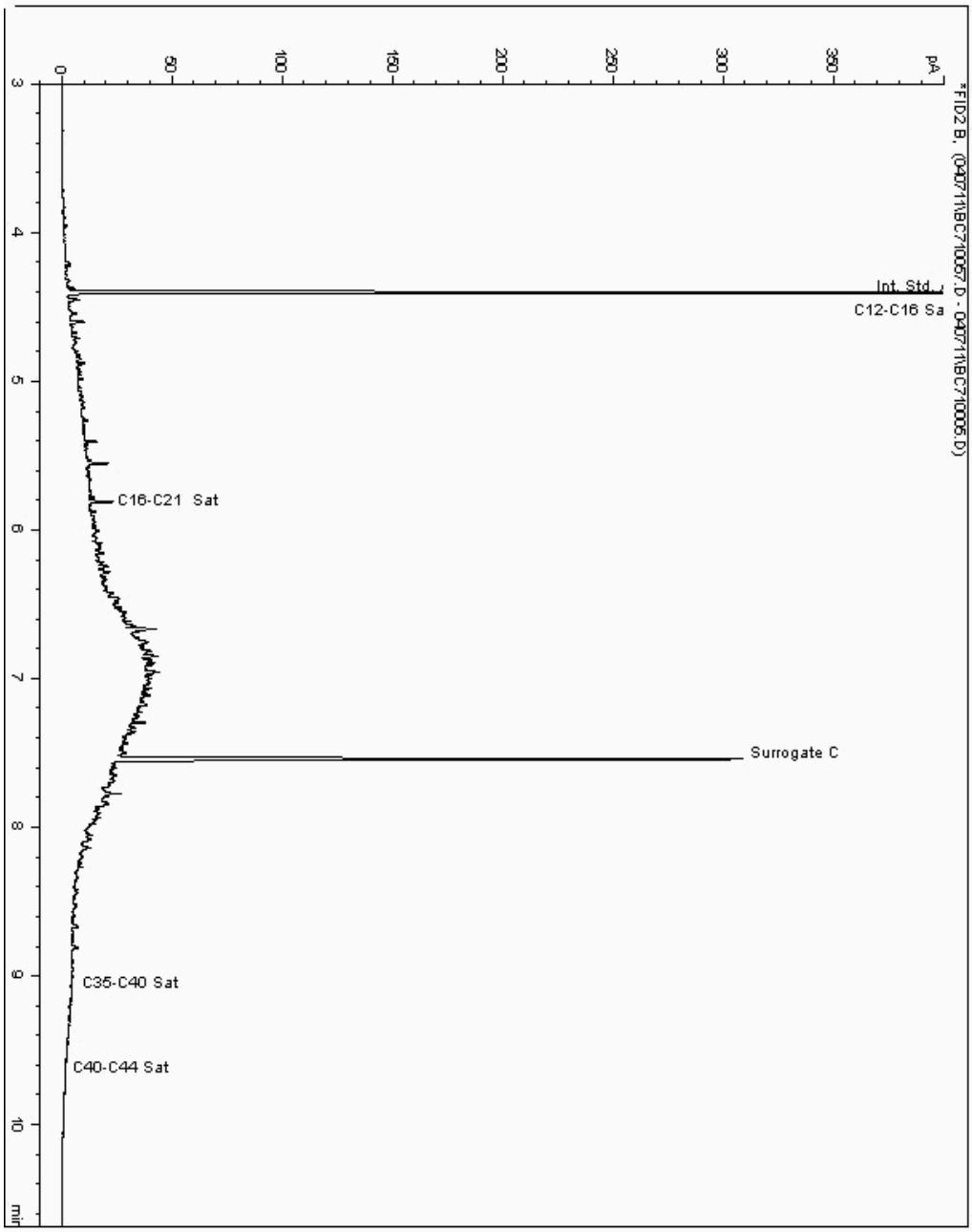
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242305 **Depth :** 0.30

Sample ID : CATP052

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

Sample Identity: 3271019-3242305
Date Acquired : 08/04/2011 06:03:18 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

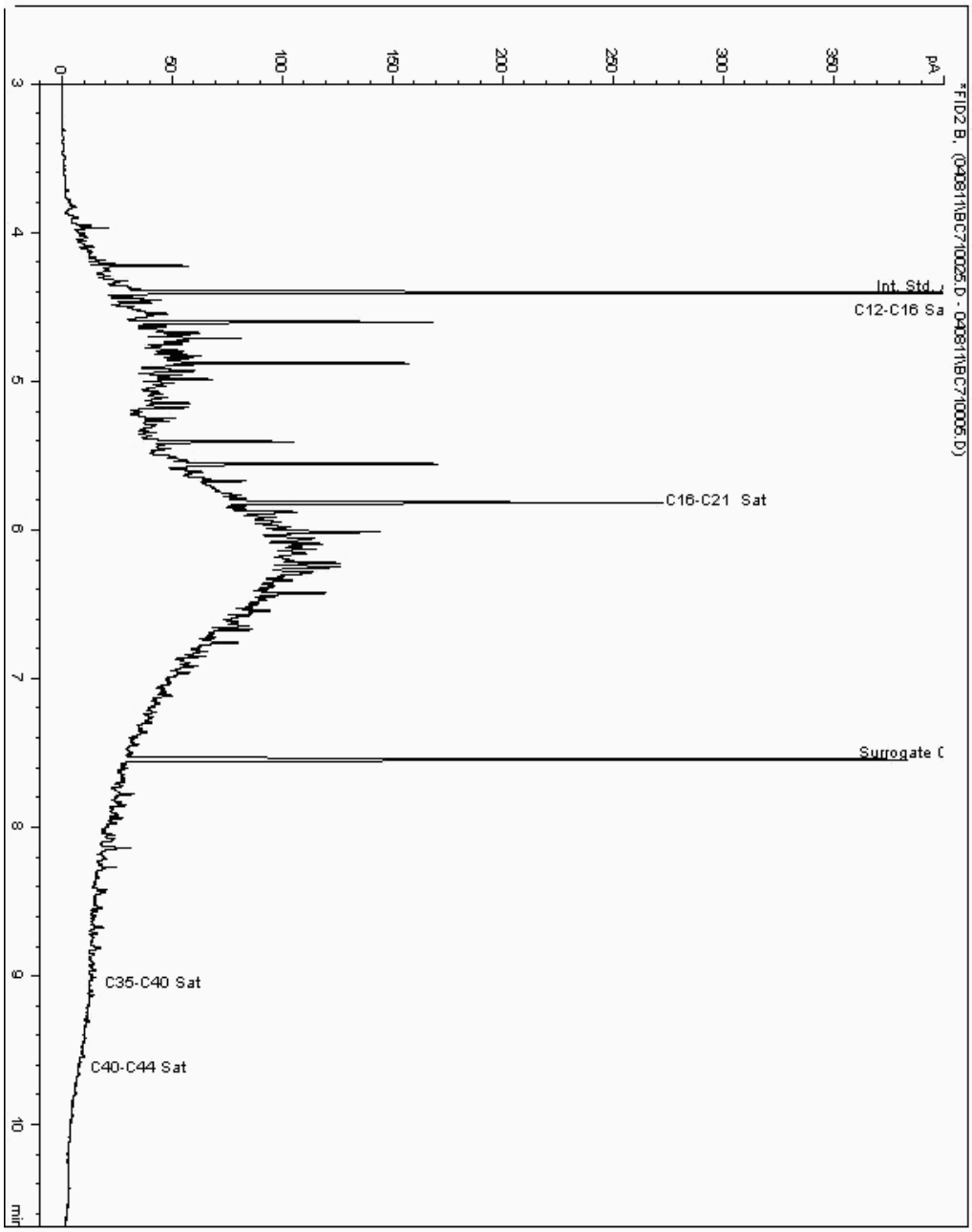
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242333 **Depth :** 0.50
Sample ID : CATP062

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

Sample Identity: 3272052-3242333
Date Acquired : 09/04/2011 04:14:50 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

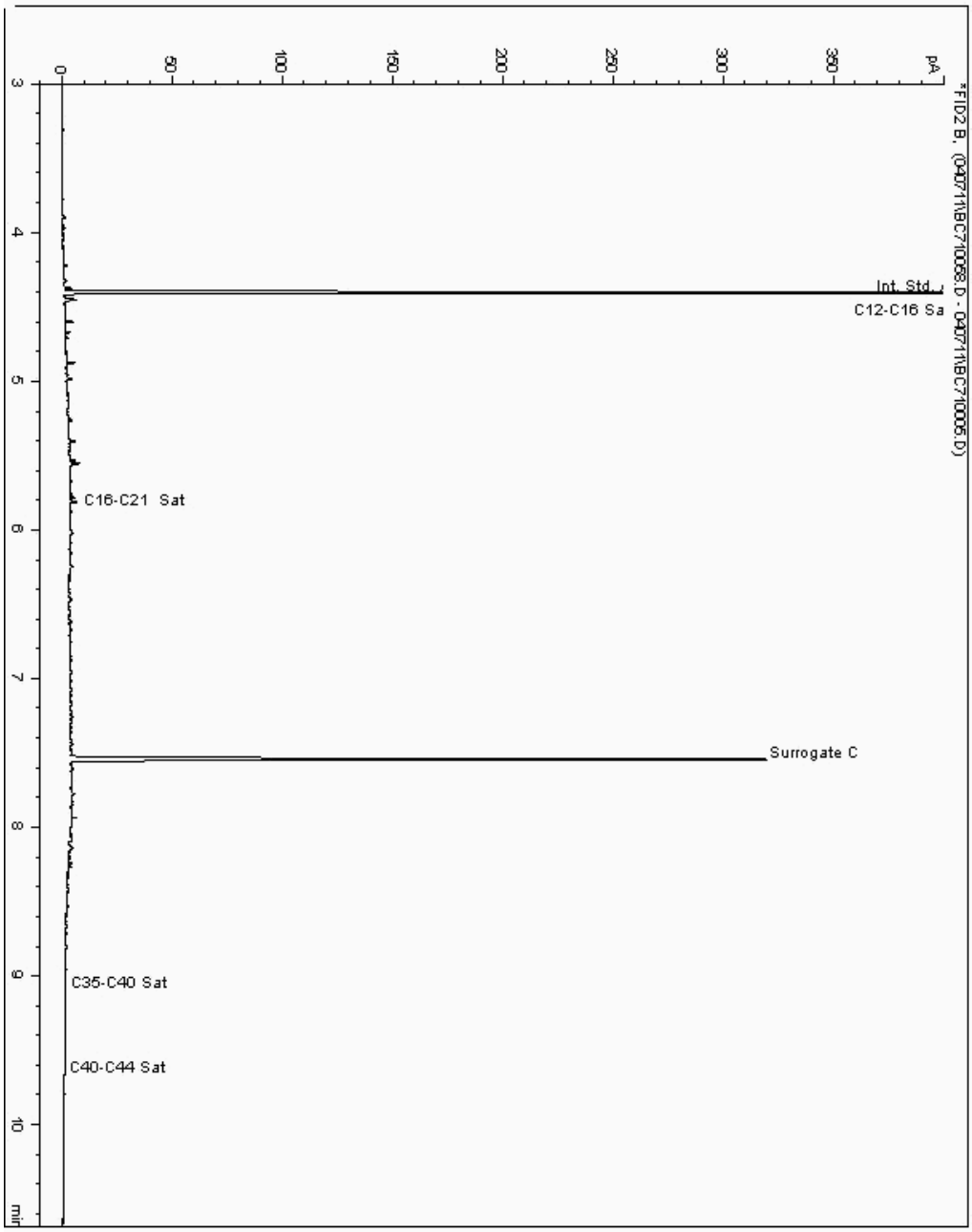
Analysis: EPH CWG (Aliphatic) GC (S)

Sample No : 3242363
Sample ID : CATP055

Depth : 1.00

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

Sample Identity: 3271846-3242363
Date Acquired : 08/04/2011 06:22:54 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

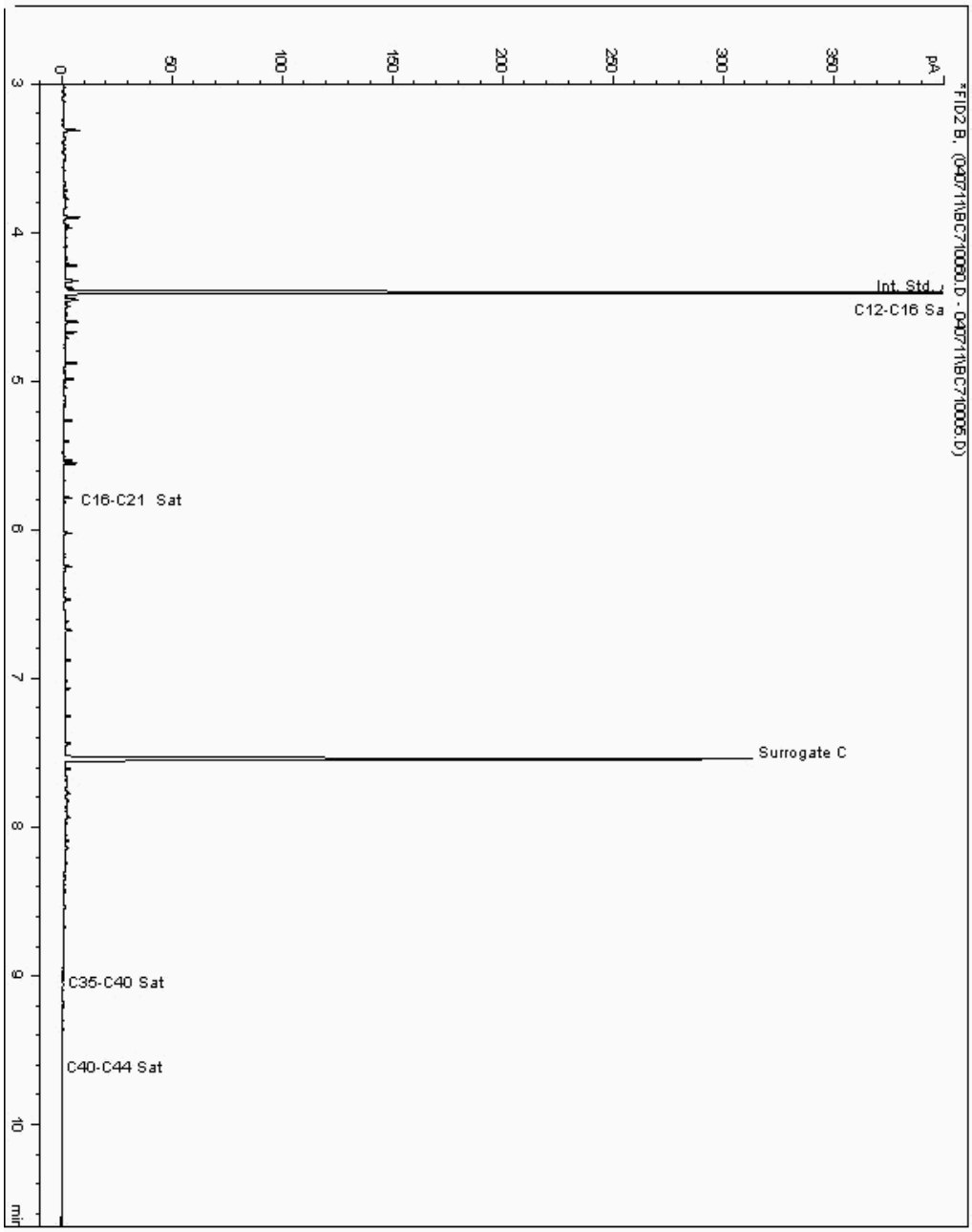
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242405 **Depth :** 0.90
Sample ID : CATP046

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

Sample Identity: 3270775-3242405
Date Acquired : 08/04/2011 06:52:18 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

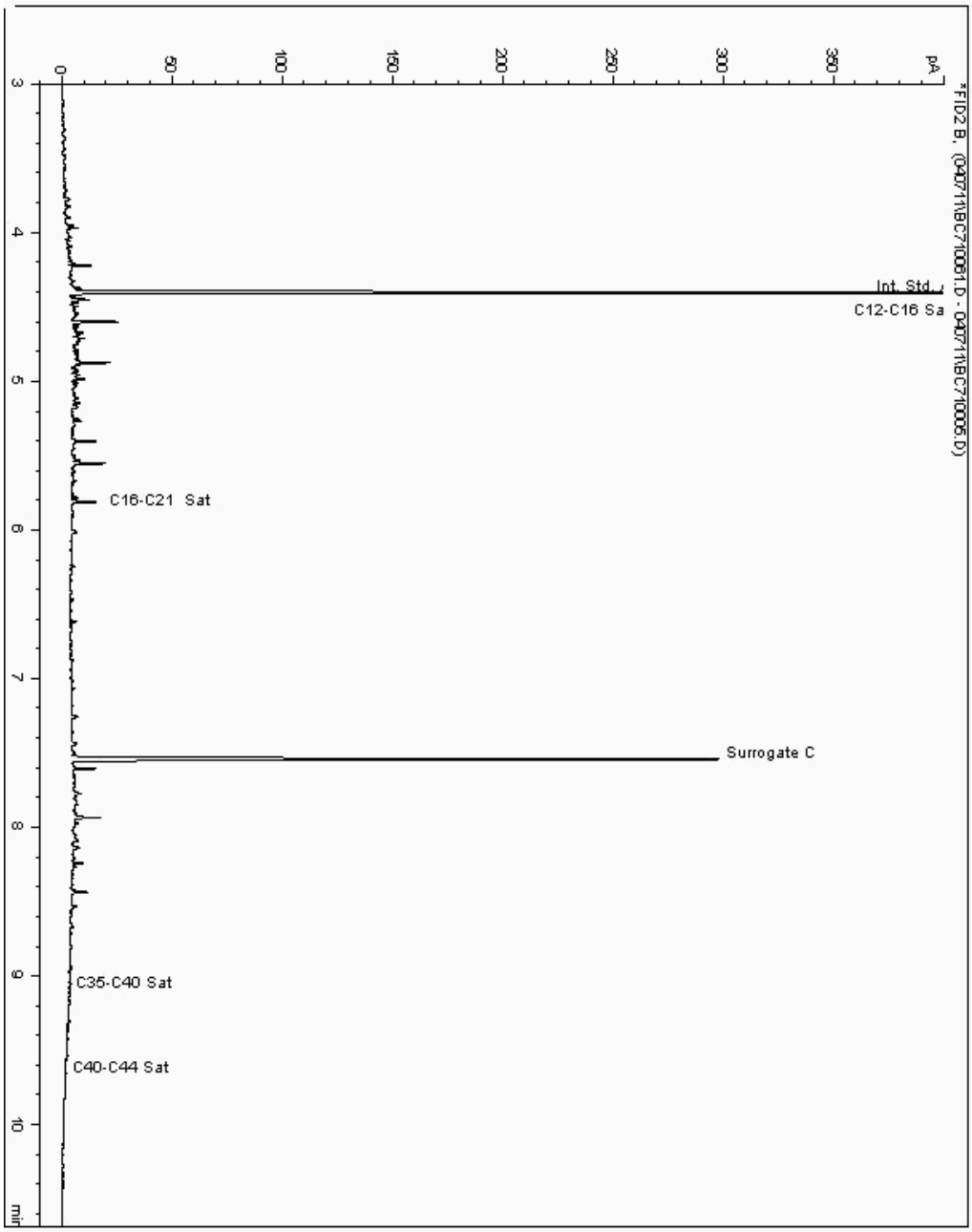
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3242447 **Depth :** 0.80
Sample ID : CATP043

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

Sample Identity: 3270754-3242447
Date Acquired : 08/04/2011 07:11:42 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

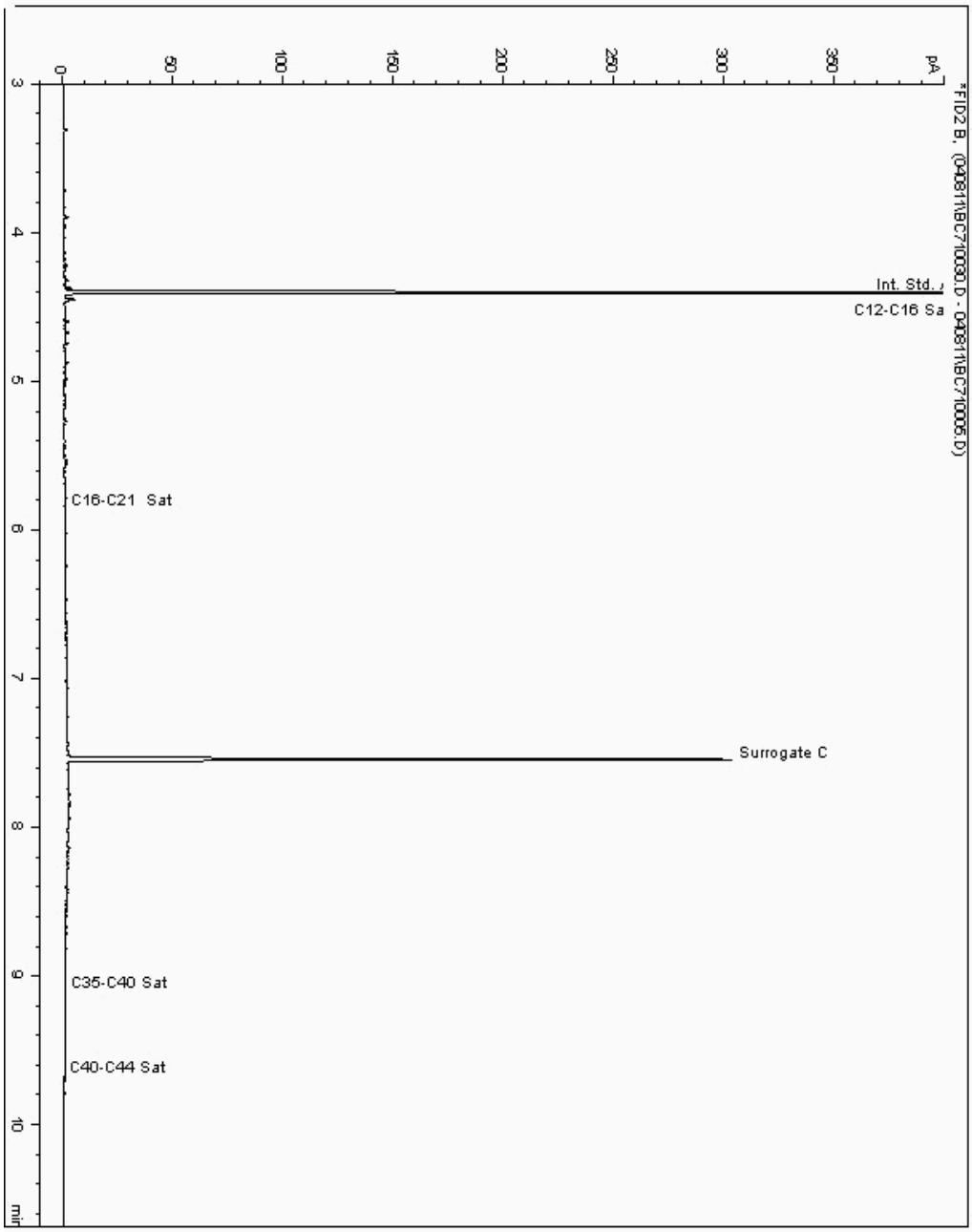
Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3251182 **Depth :** 0.50

Sample ID : CATP034

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

Sample Identity: 3297155-3251182
Date Acquired : 09/04/2011 05:42:50 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

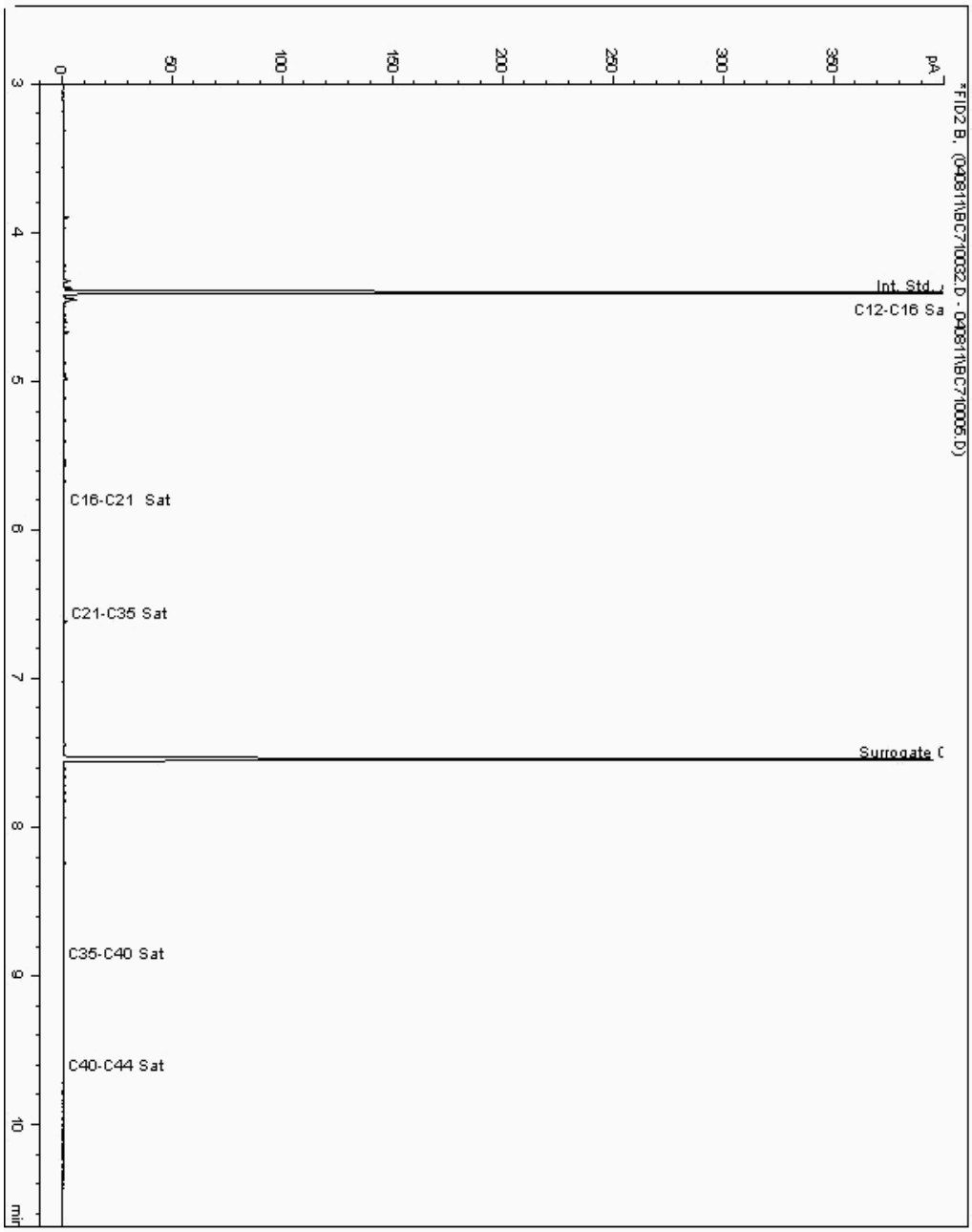
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aliphatic) GC (S) **Sample No :** 3251192 **Depth :** 1.50
Sample ID : CATP029

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

Sample Identity: 3297152-3251192
Date Acquired : 09/04/2011 06:12:15 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

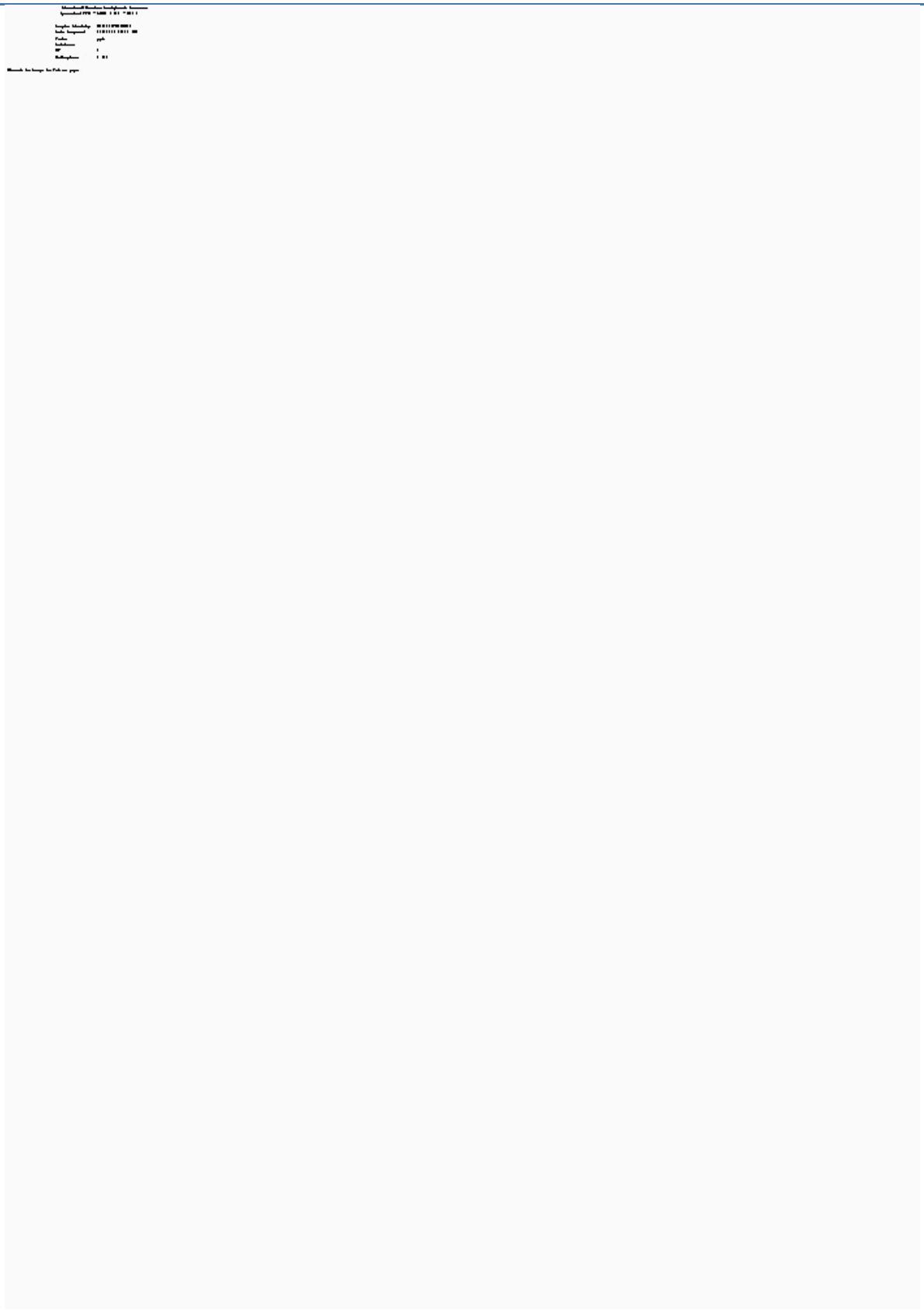
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3230677
Sample ID : CATP033

Depth : 0.90



CERTIFICATE OF ANALYSIS

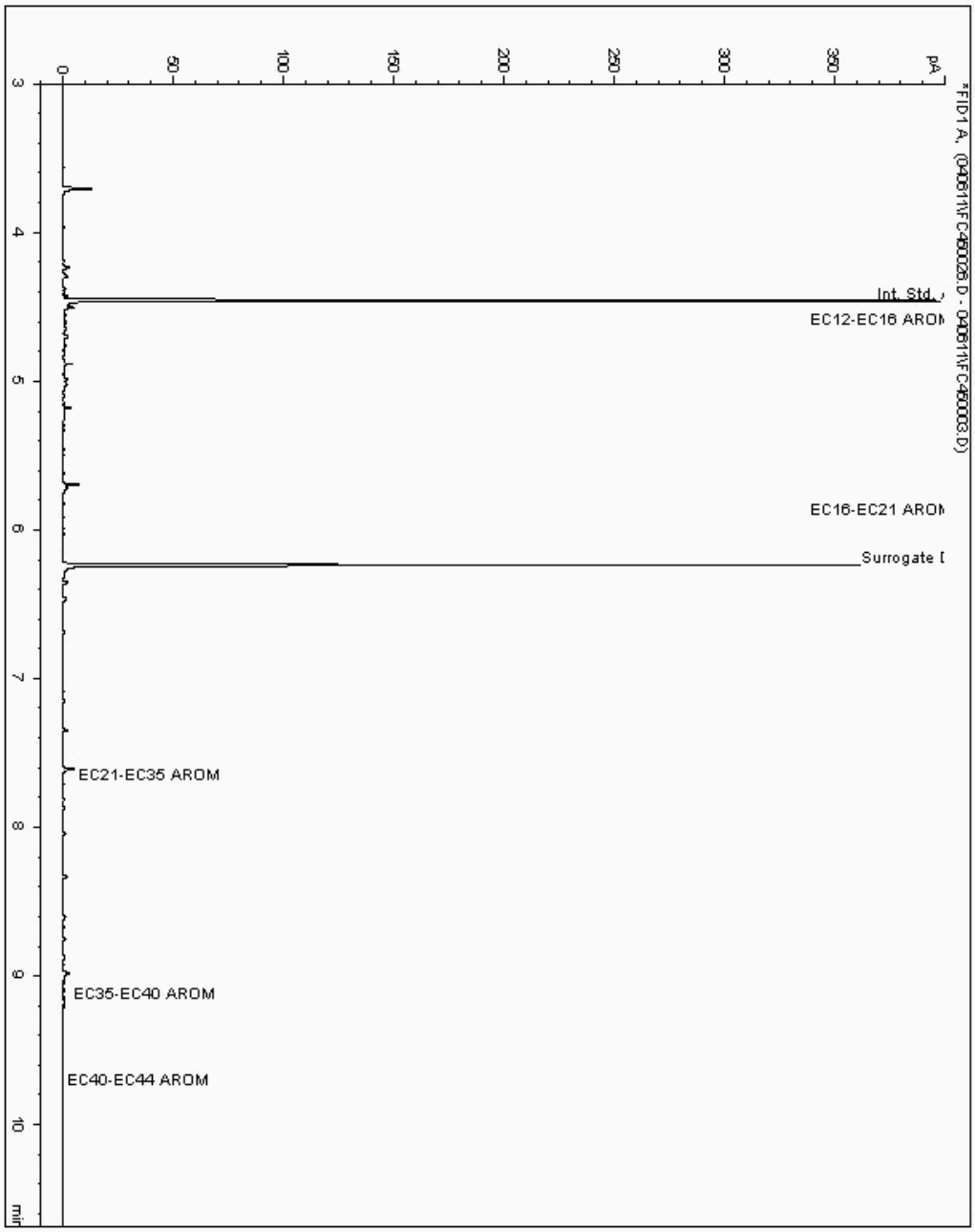
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3234868 **Depth :** 3.00
Sample ID : CATP046

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

Sample Identity: 3270815-3234868
Date Acquired : 07/04/11 00:34:14 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

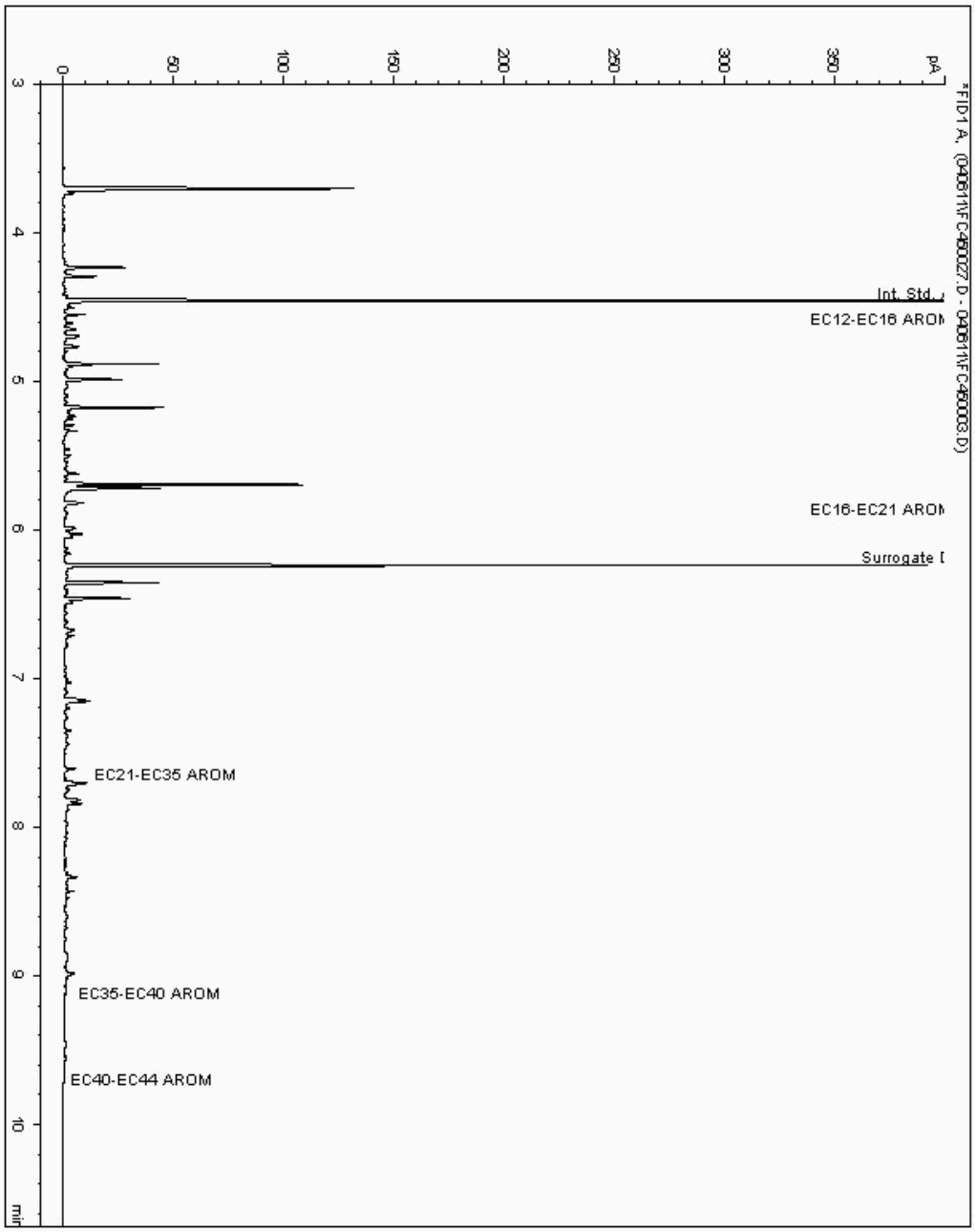
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3234885 **Depth :** 2.50
Sample ID : CATP027

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

Sample Identity: 3270450-3234885
Date Acquired : 07/04/11 00:54:47 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

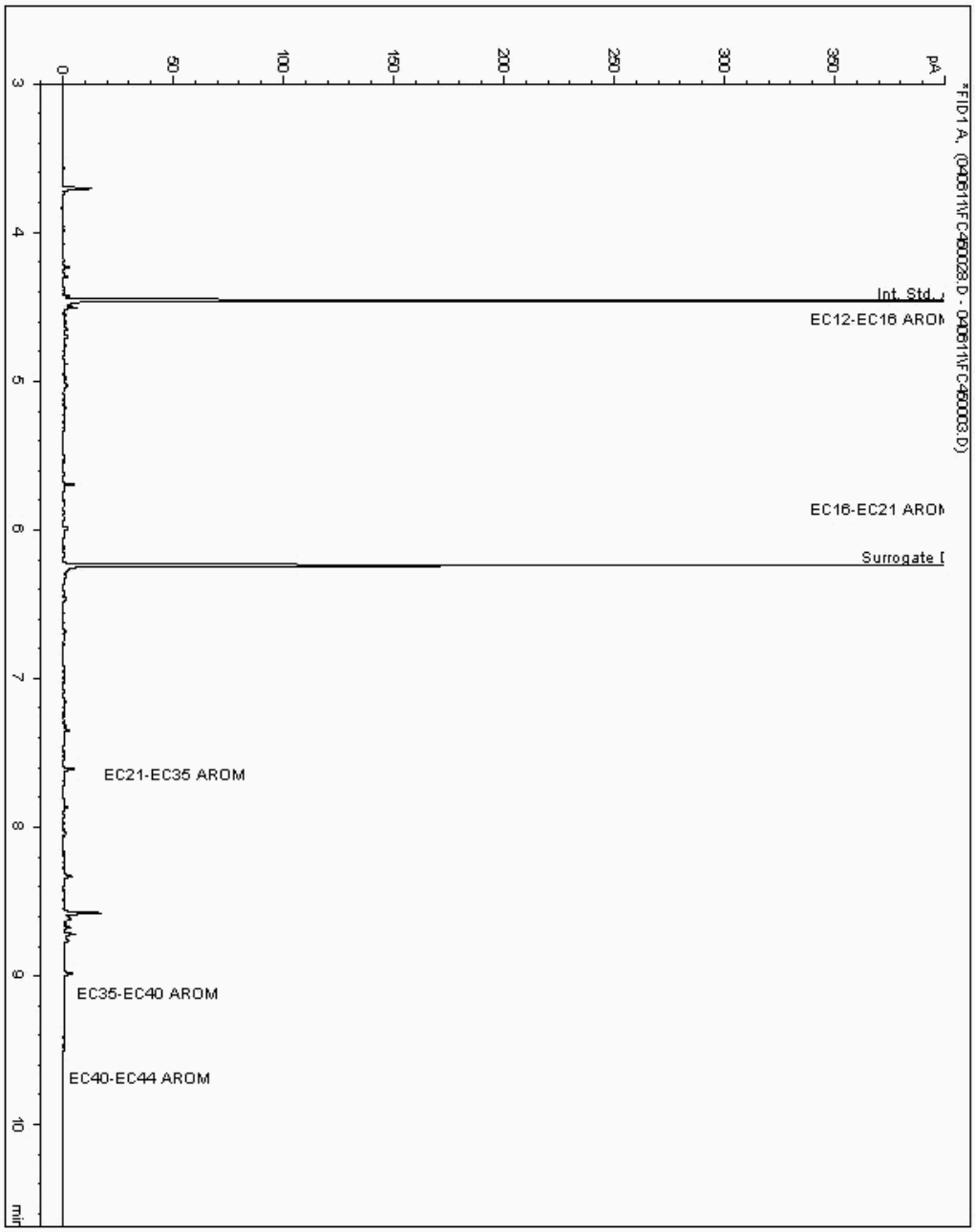
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3234905
Sample ID : CATP033

Depth : 1.50

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

Sample Identity: 3270721-3234905
Date Acquired : 07/04/11 01:15:01 PM
Units : ppb
Dilution:

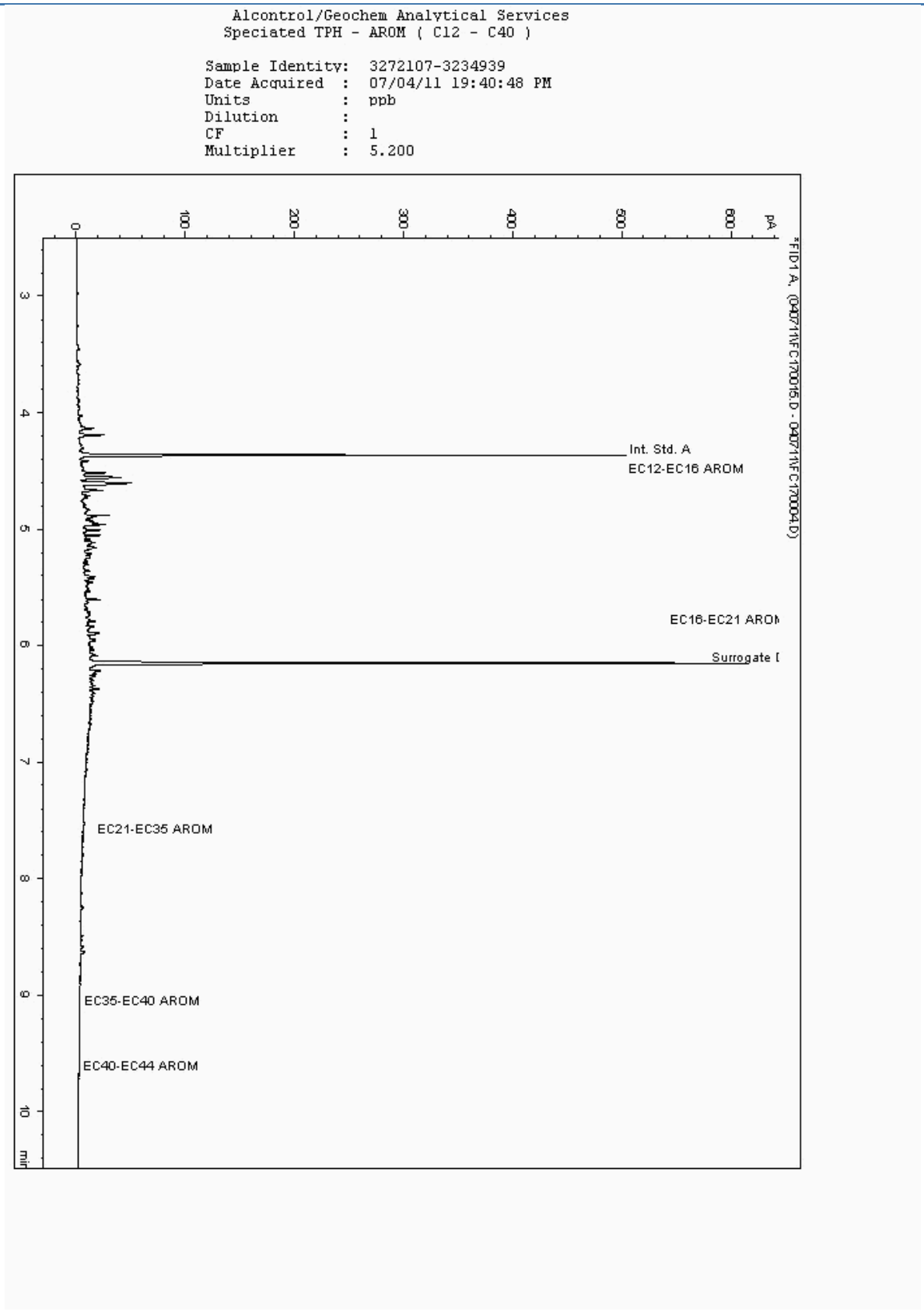


CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3234939 **Depth :** 1.00
Sample ID : CATP062



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

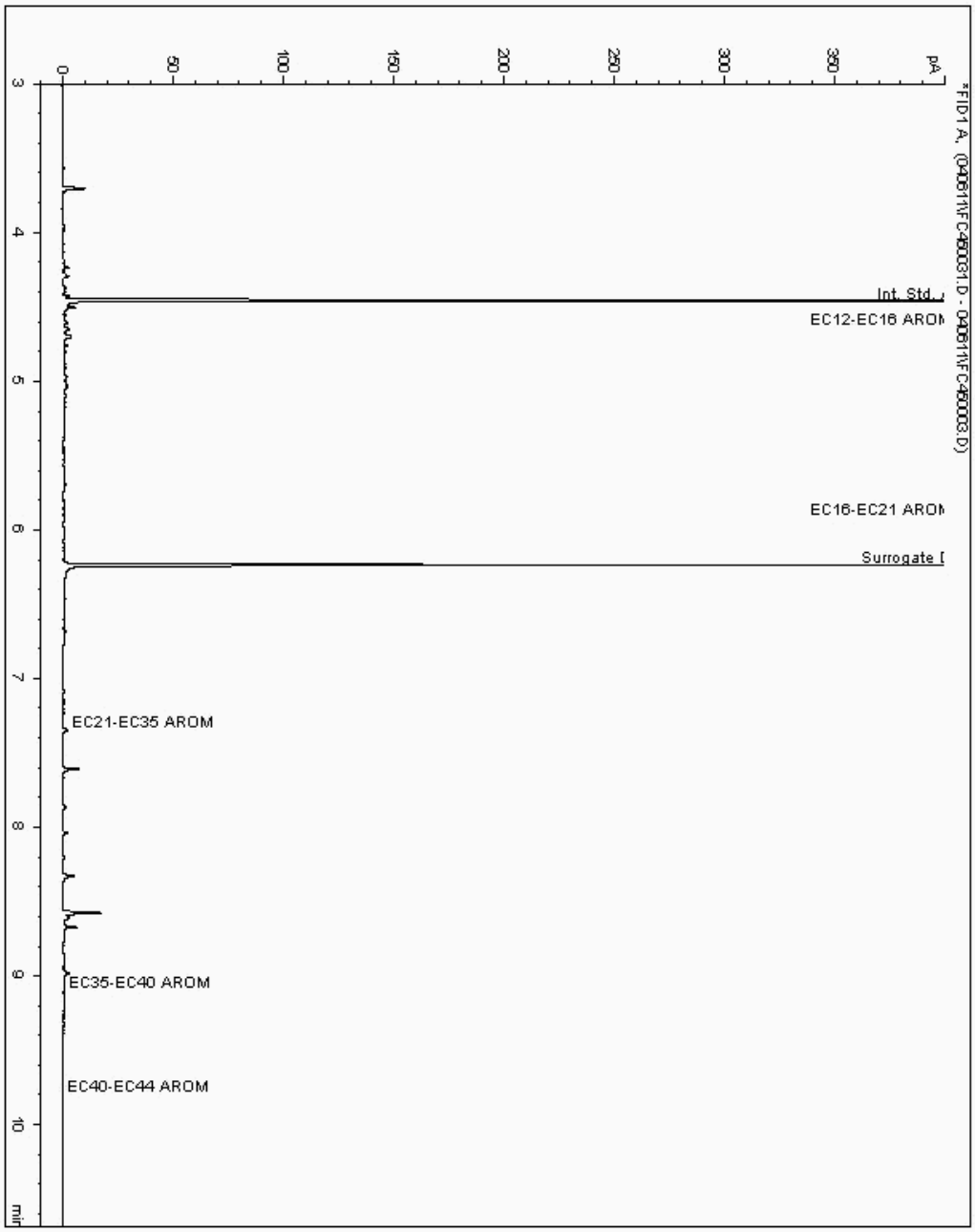
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3234990 **Depth :** 1.50

Sample ID : CATP030

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

Sample Identity: 3270611-3234990
Date Acquired : 07/04/11 02:05:55 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

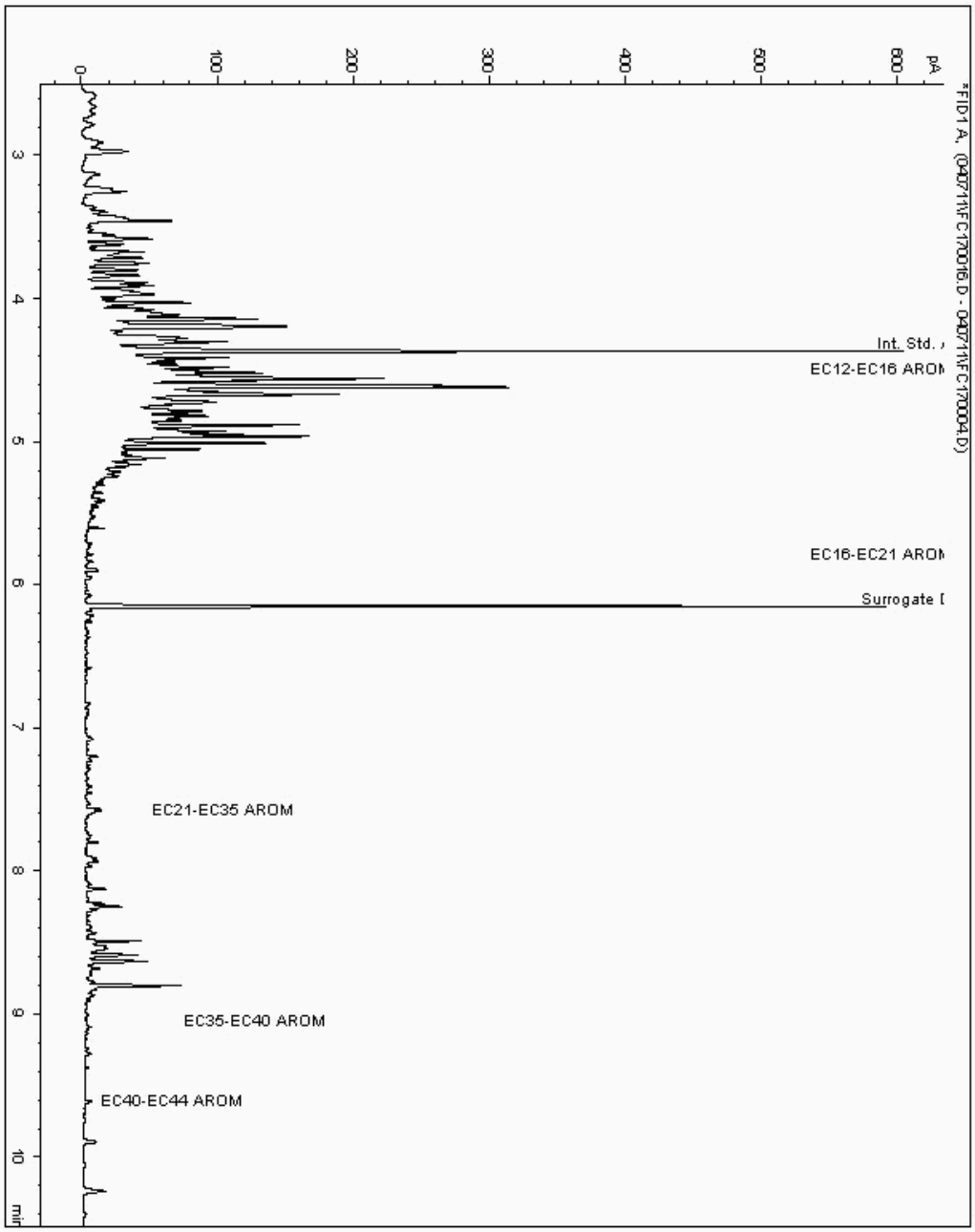
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3235025
Sample ID : CATP045

Depth : 1.50

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

Sample Identity: 3271690-3235025
Date Acquired : 07/04/11 20:00:55 PM
Units : ppb
Dilution :
CF : 1
Multiplier : 2.010



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

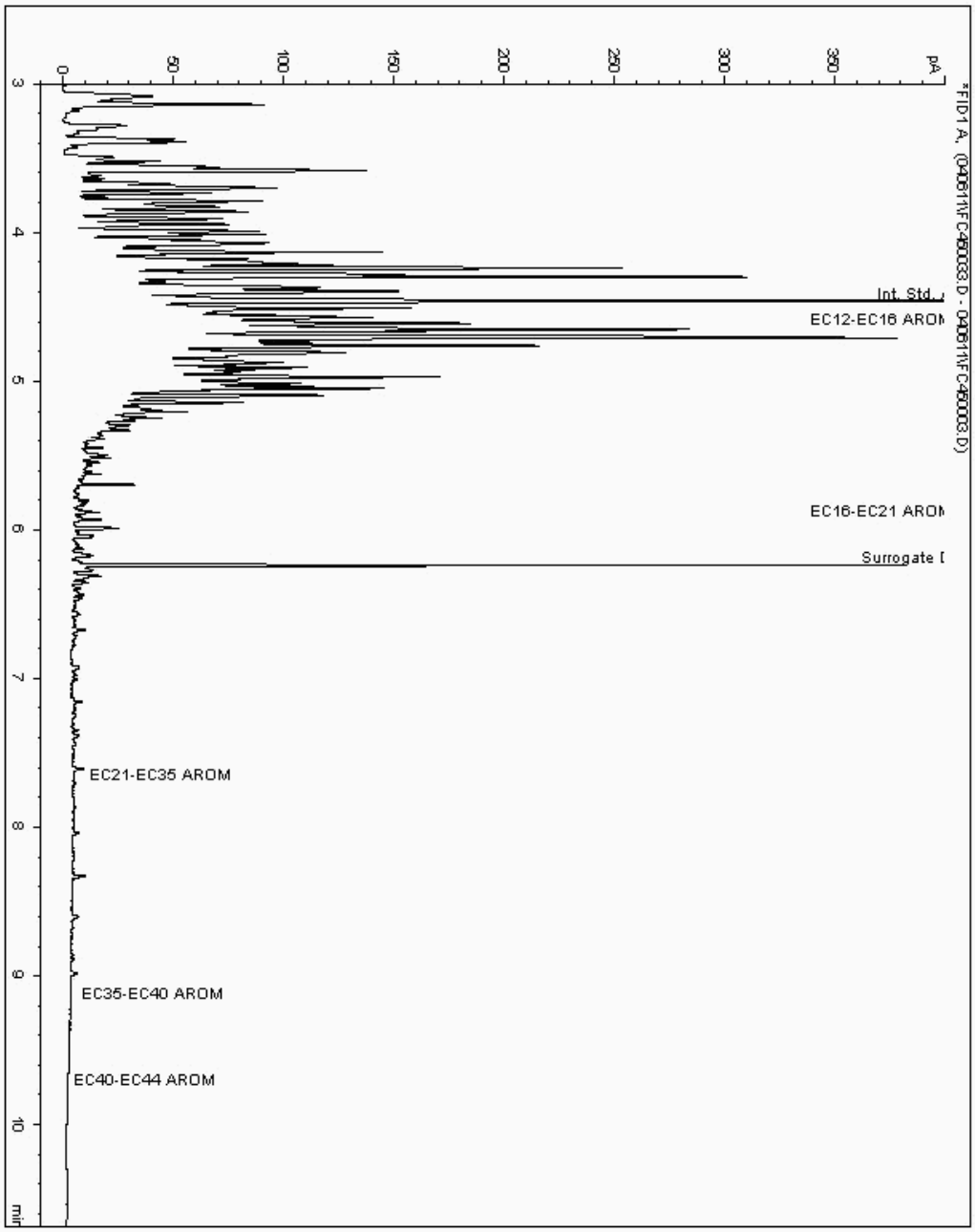
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3235036
Sample ID : CATP045

Depth : 1.00

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

Sample Identity: 3271656-3235036
Date Acquired : 07/04/11 02:46:17 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

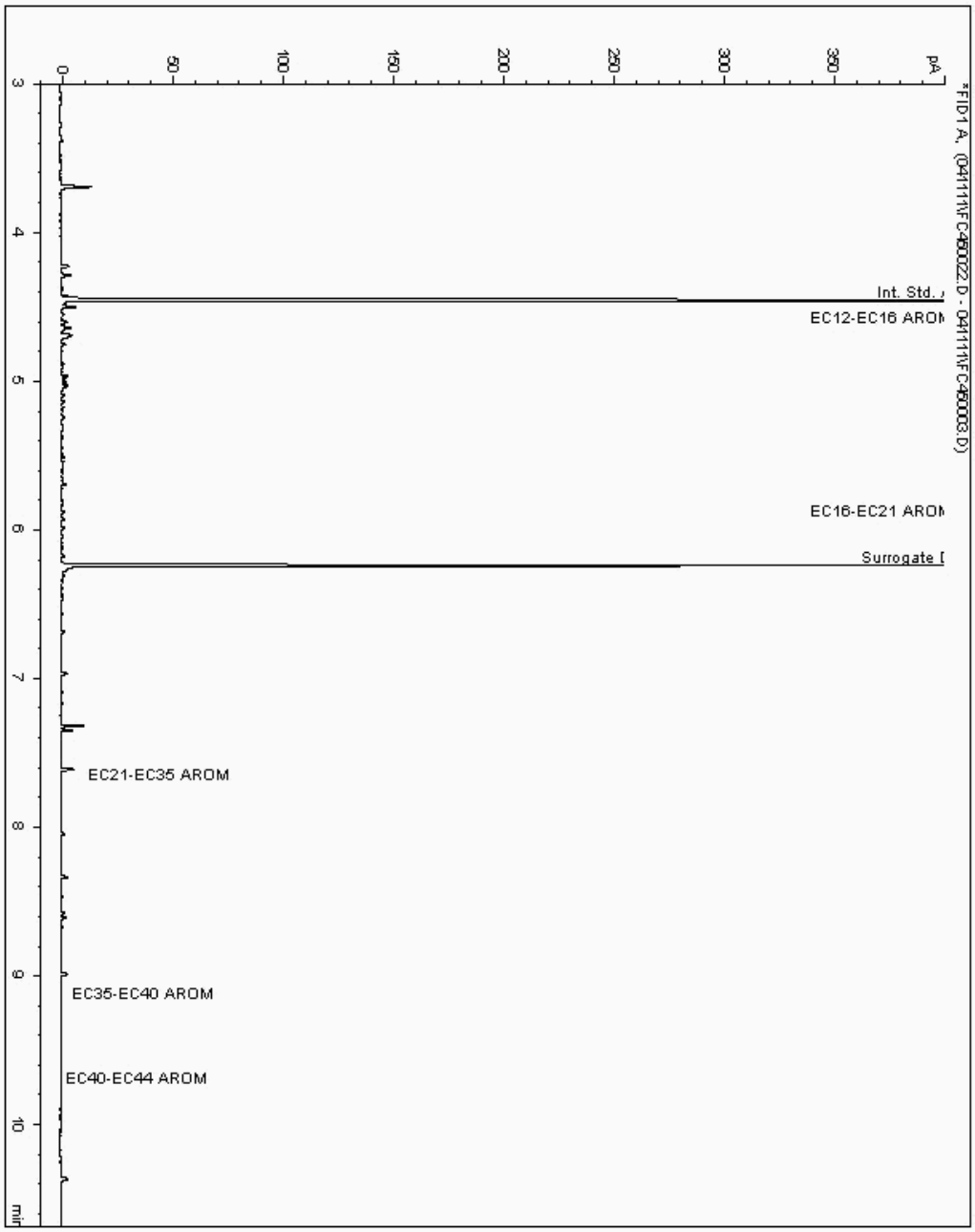
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3235053
Sample ID : CATP046

Depth : 1.60

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

Sample Identity: 3270791-3235053
Date Acquired : 11/04/11 16:37:15 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

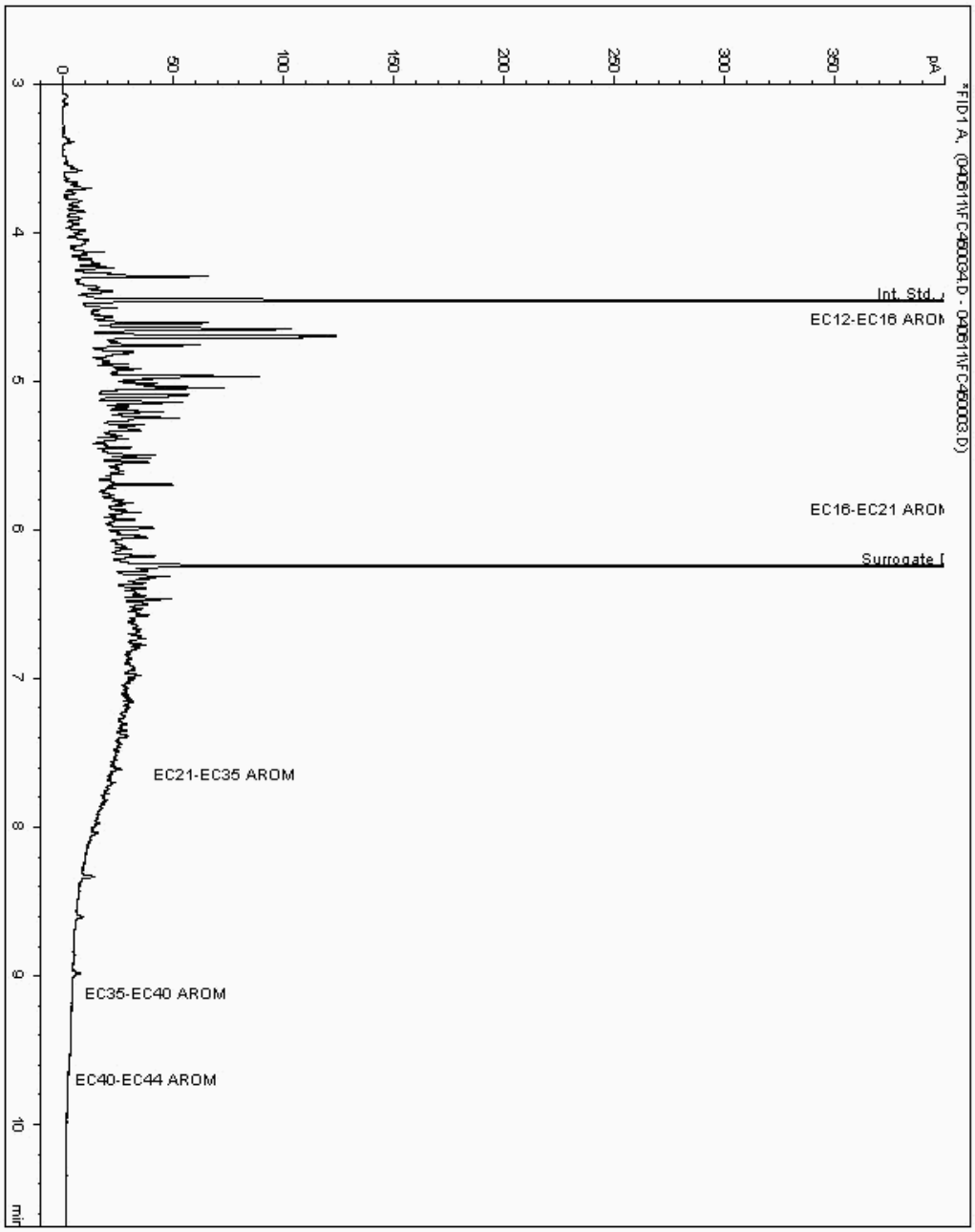
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3235111 **Depth :** 2.70

Sample ID : CATP057

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

Sample Identity: 3271165-3235111
Date Acquired : 07/04/11 03:06:37 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

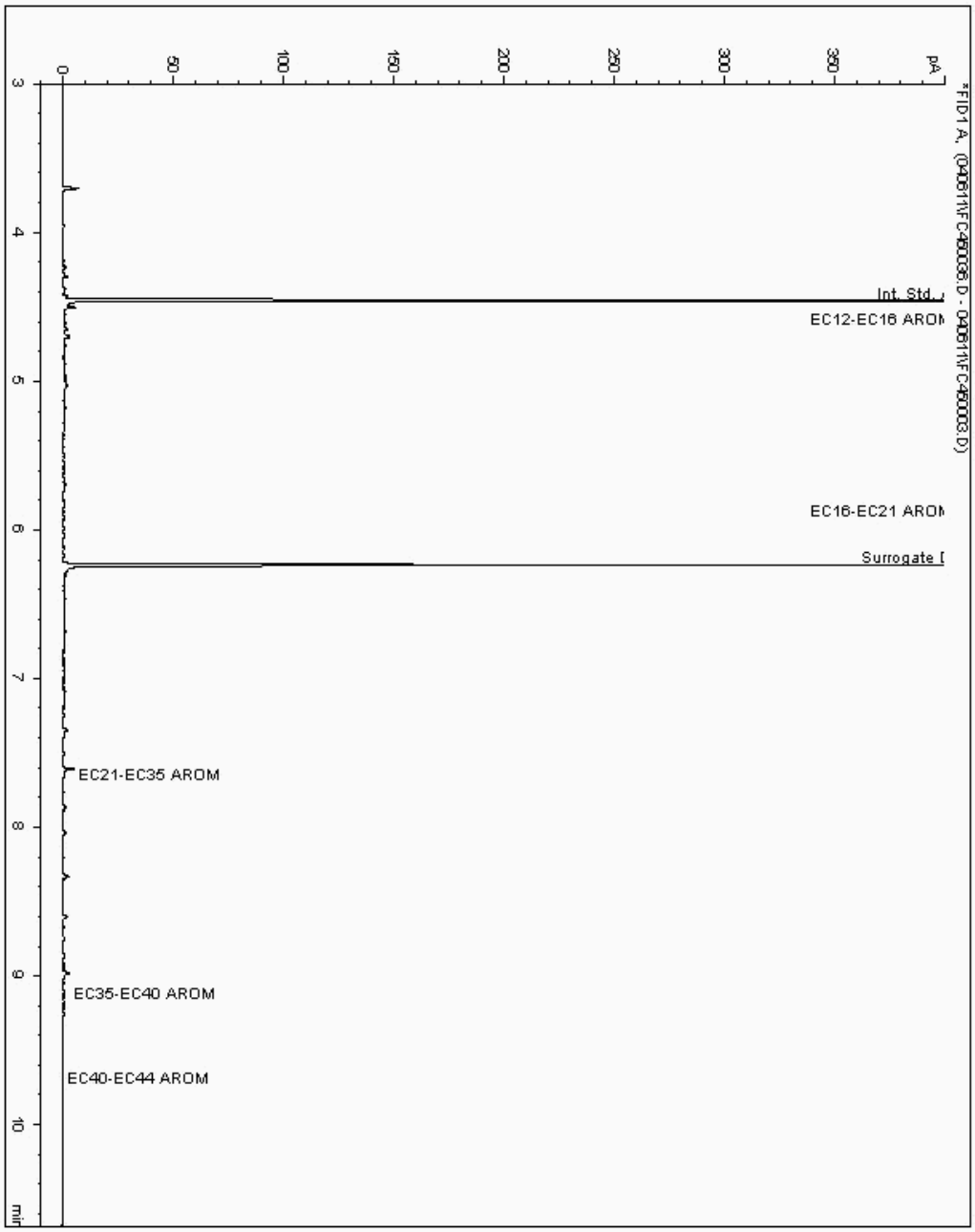
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3235259 **Depth :** 2.50
Sample ID : CATP029

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

Sample Identity: 3270552-3235259
Date Acquired : 07/04/11 03:37:02 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

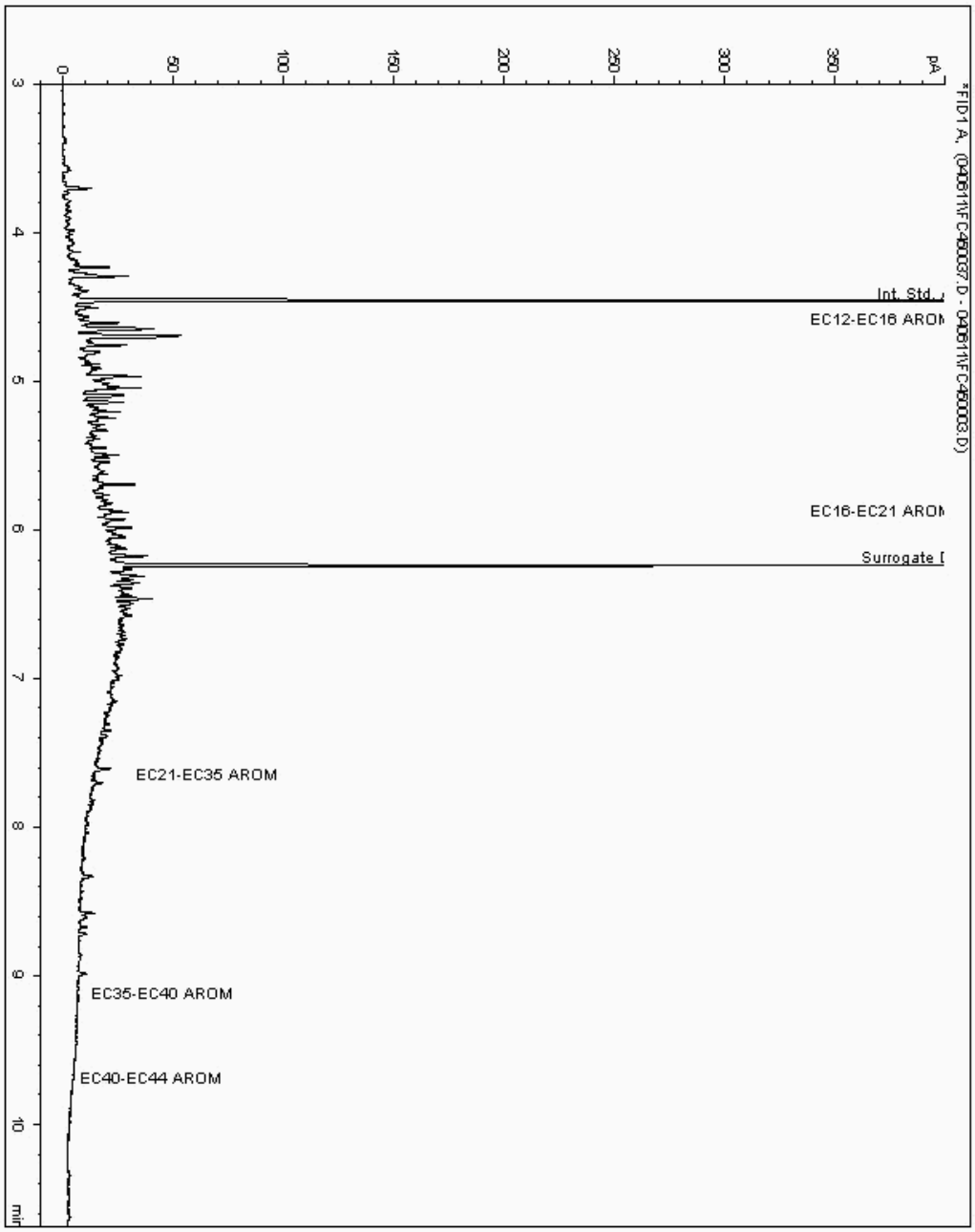
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3235279 **Depth :** 1.40
Sample ID : CATP062

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

Sample Identity: 3272157-3235279
Date Acquired : 07/04/11 03:57:12 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

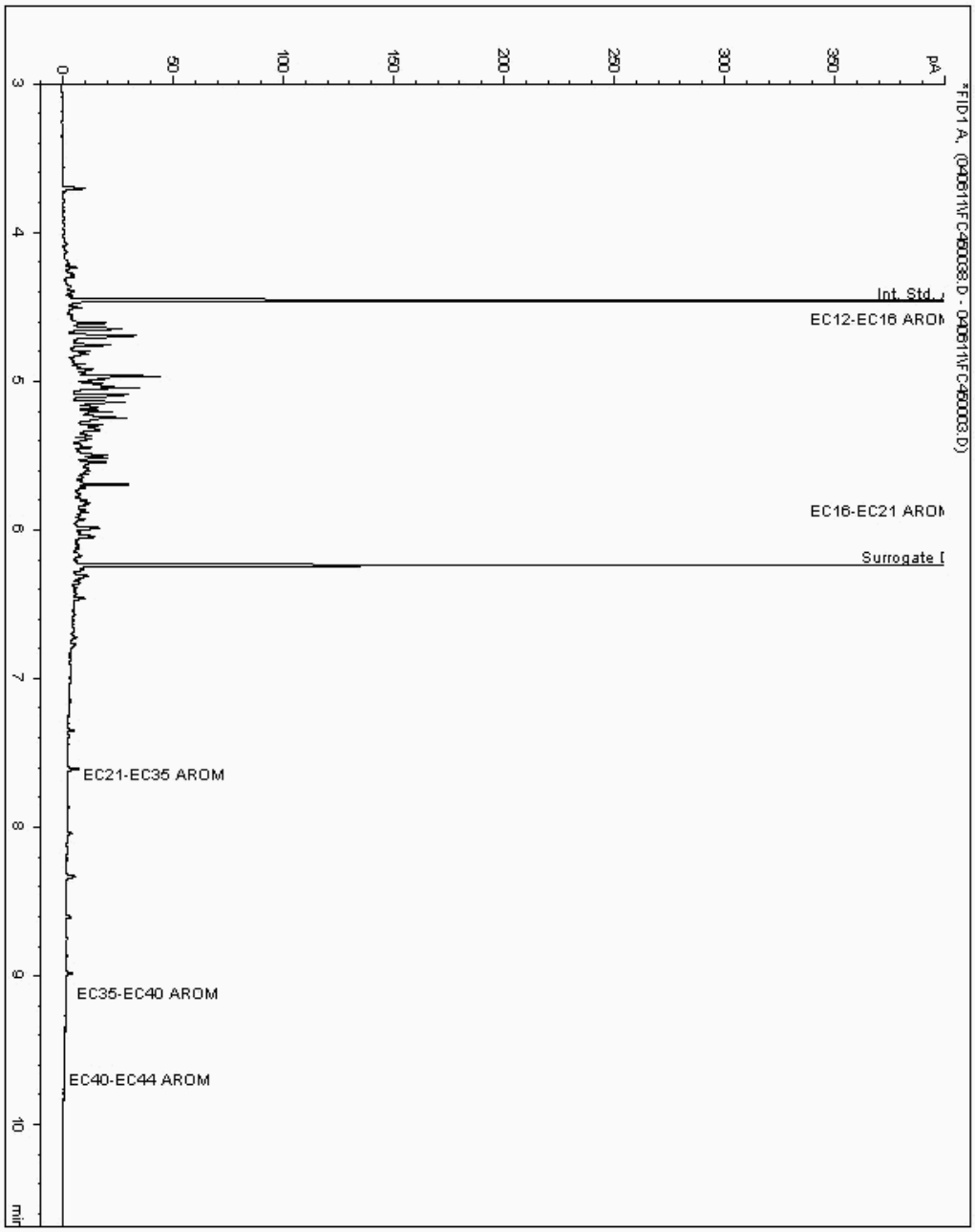
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3235294
Sample ID : CATP054

Depth : 1.50

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

Sample Identity: 3271092-3235294
Date Acquired : 07/04/11 04:17:31 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

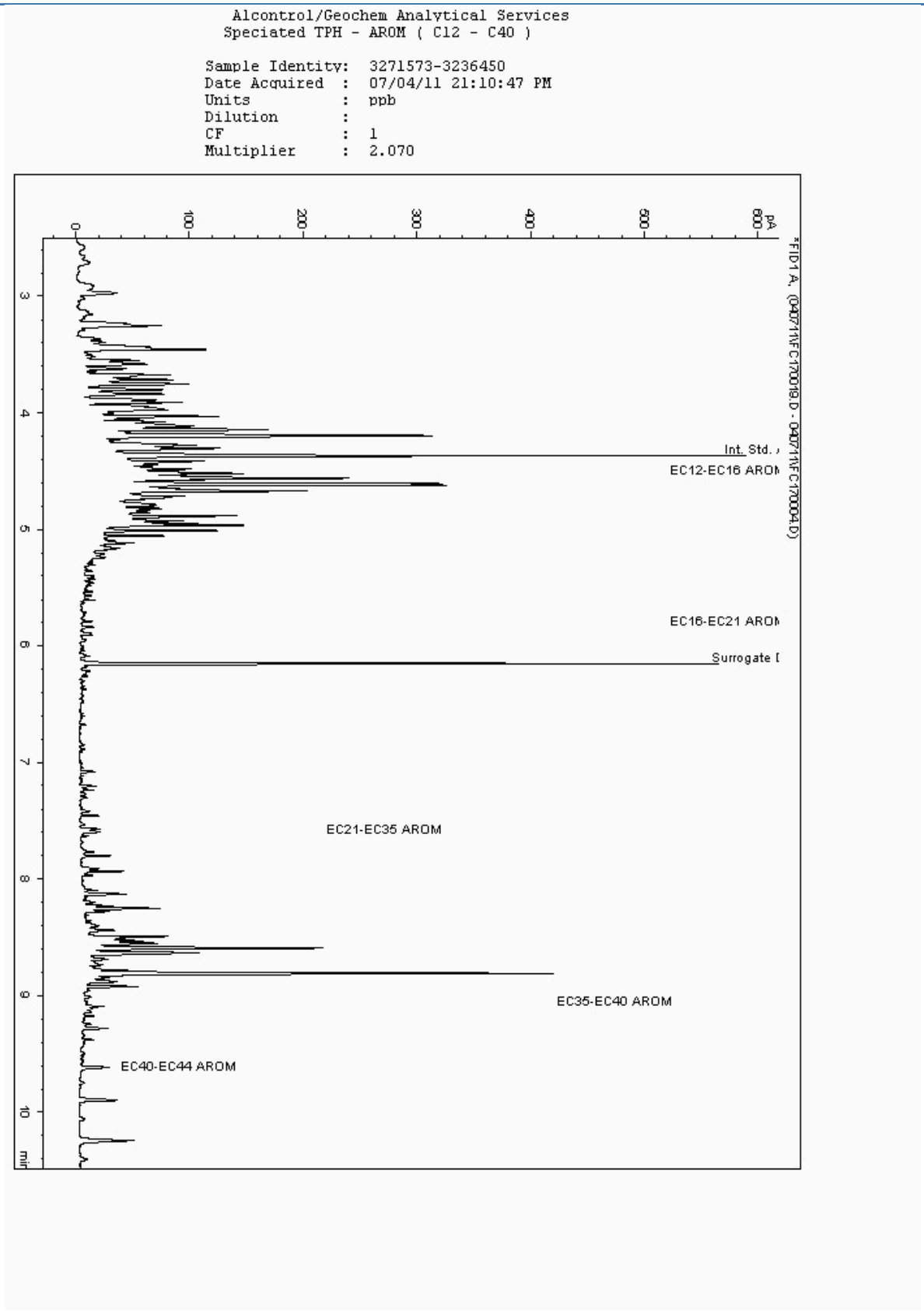
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3236450
Sample ID : CATP044

Depth : 2.00



CERTIFICATE OF ANALYSIS

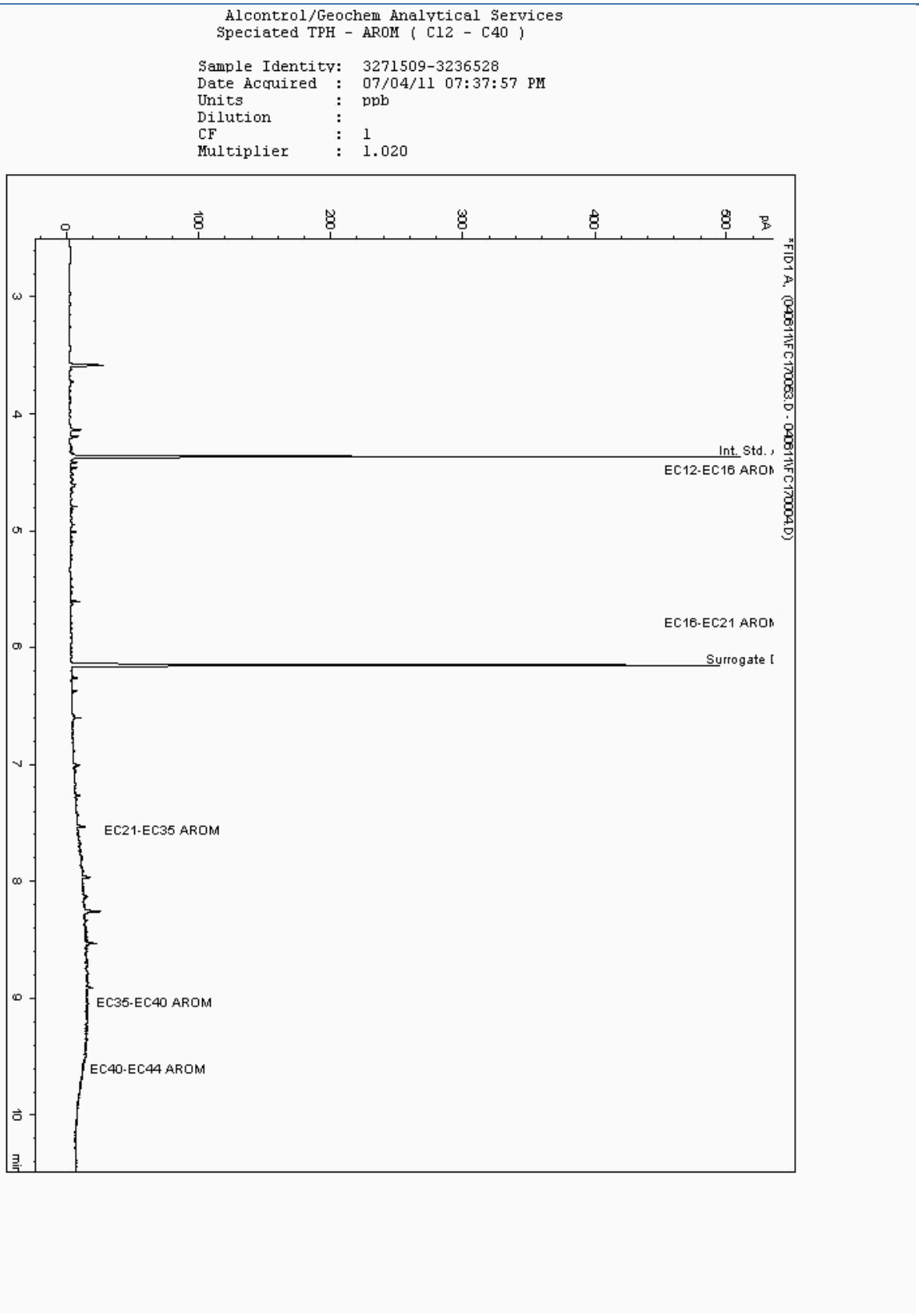
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3236528
Sample ID : CATP041

Depth : 0.50



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

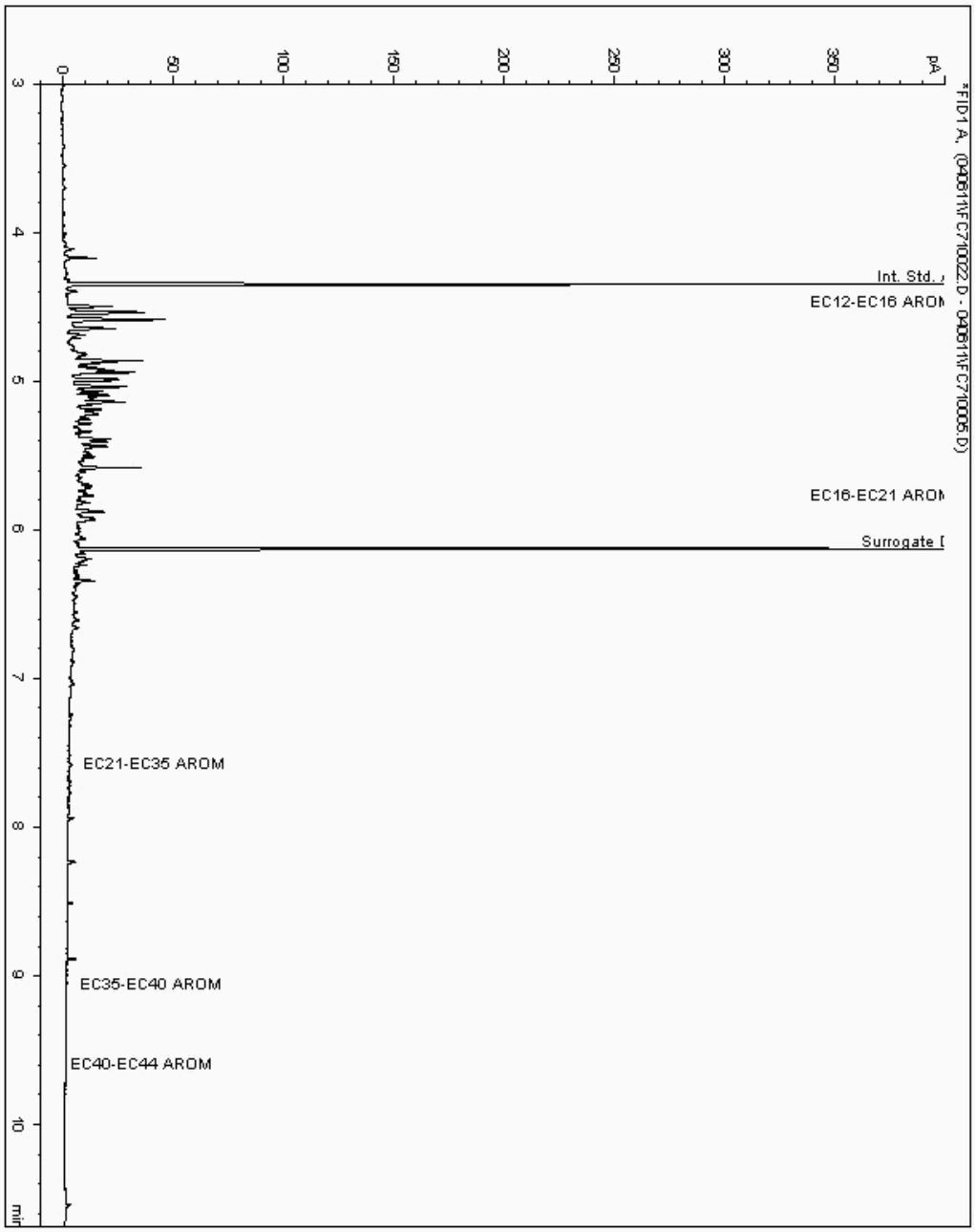
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236550 **Depth :** 2.00

Sample ID : CATP053

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

Sample Identity: 3271761-3236550
Date Acquired : 07/04/2011 03:23:33 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

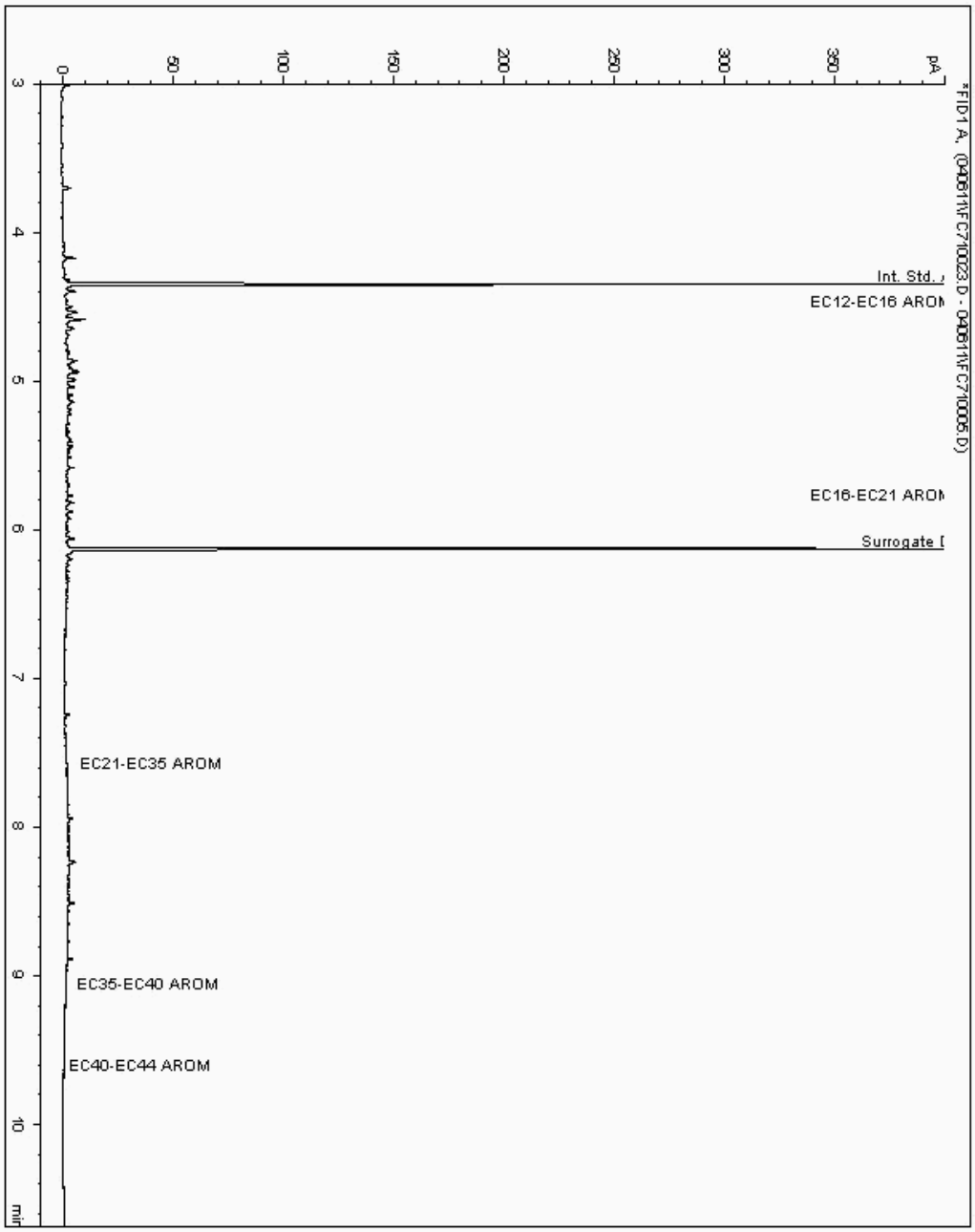
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236584 **Depth :** 2.20

Sample ID : CATP047

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

Sample Identity: 3270846-3236584
Date Acquired : 07/04/2011 03:43:18 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

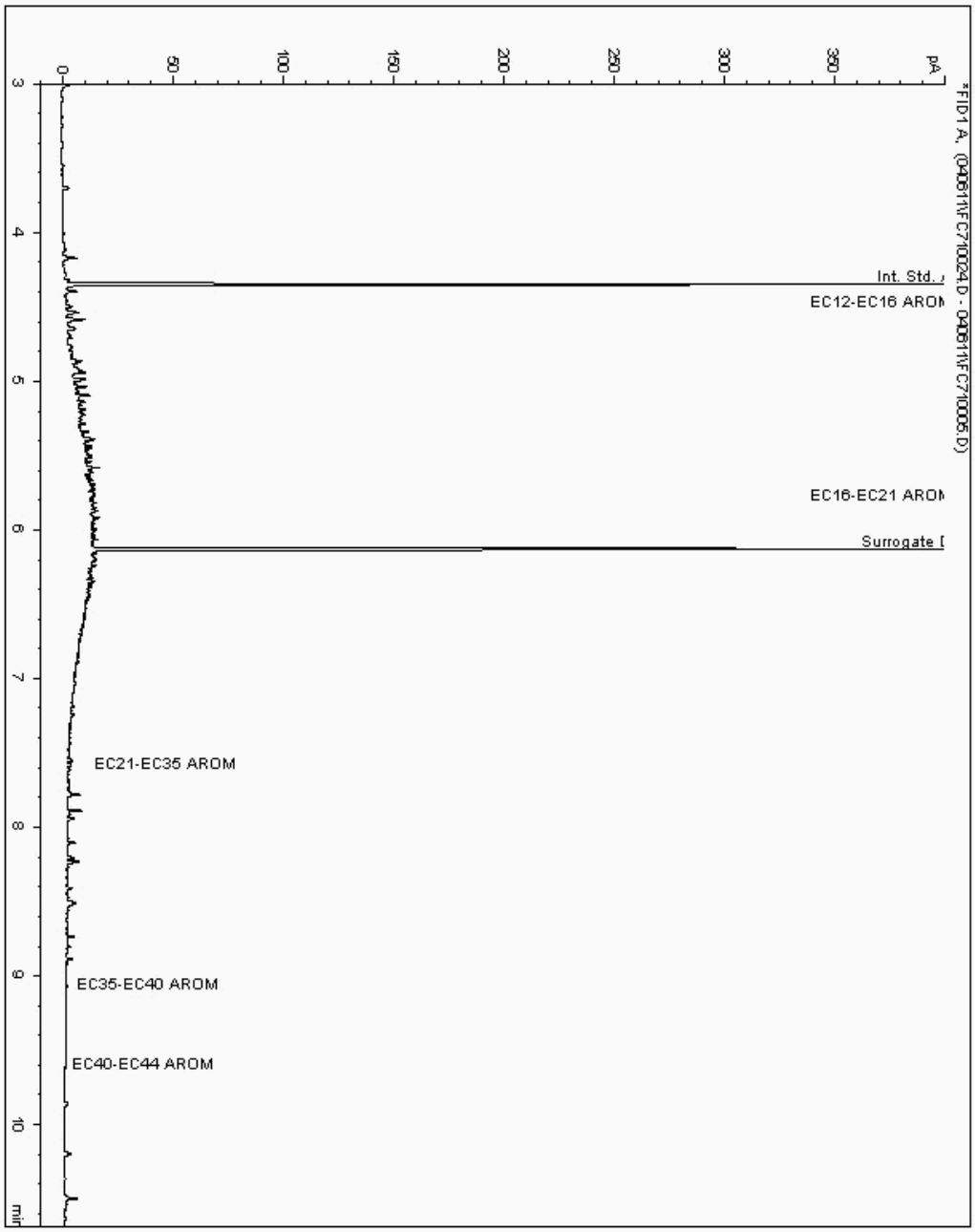
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236588 **Depth :** 1.00

Sample ID : CATP053

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

Sample Identity: 3271717-3236588
Date Acquired : 07/04/2011 04:03:14 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

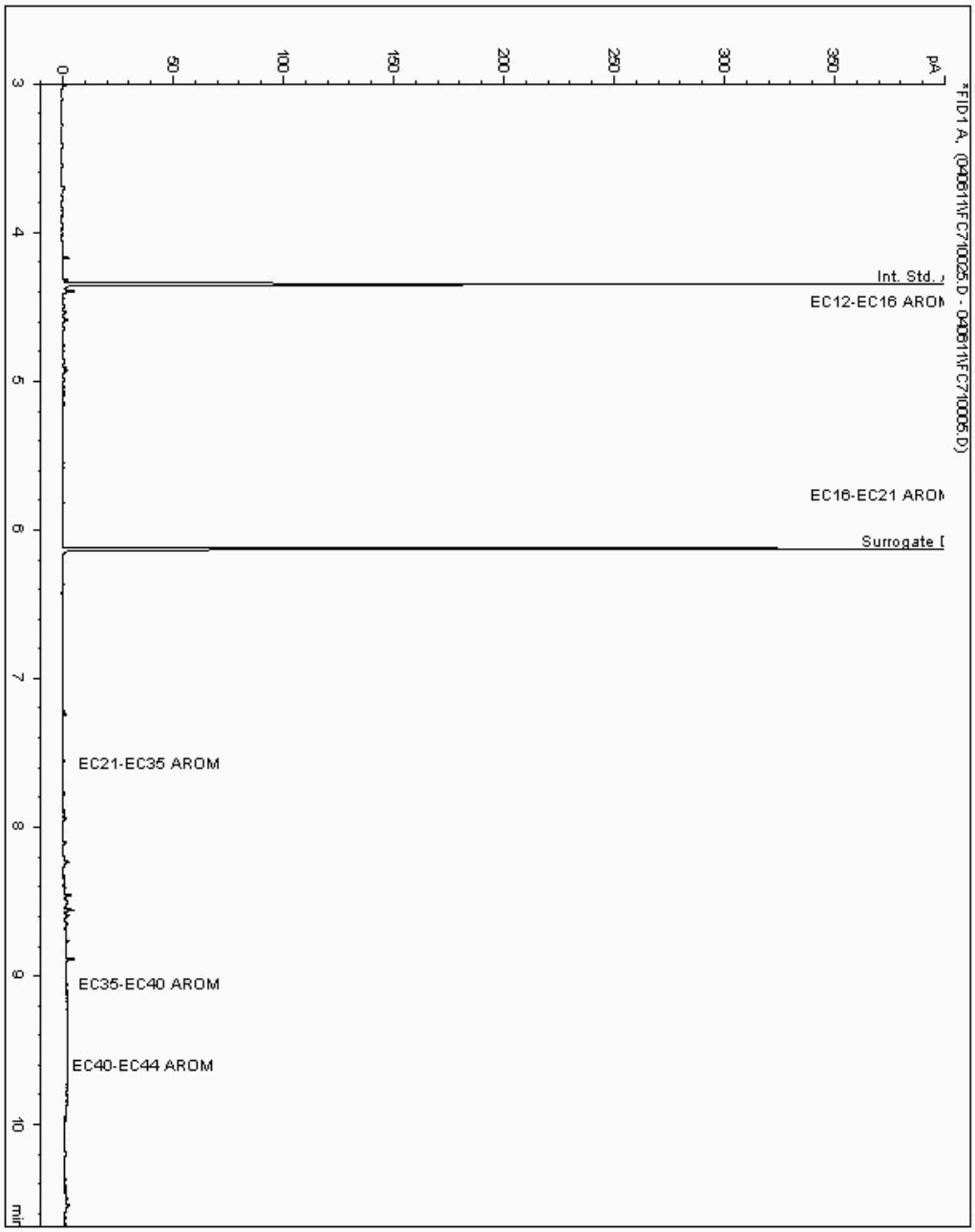
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236594 **Depth :** 2.20

Sample ID : CATP031

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

Sample Identity: 3270673-3236594
Date Acquired : 07/04/2011 04:22:53 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

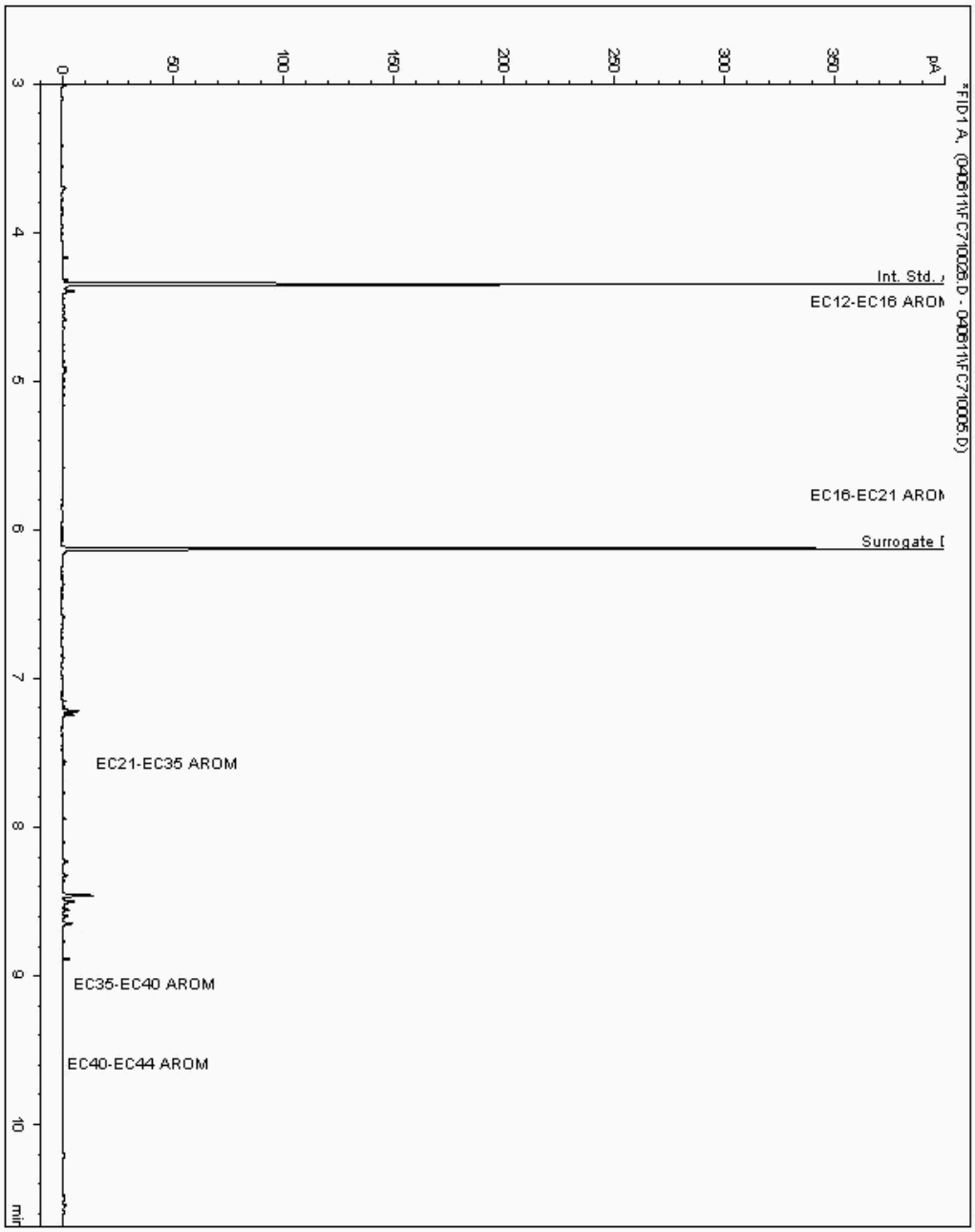
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236600 **Depth :** 1.20

Sample ID : CATP031

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

Sample Identity: 3270659-3236600
Date Acquired : 07/04/2011 04:42:33 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

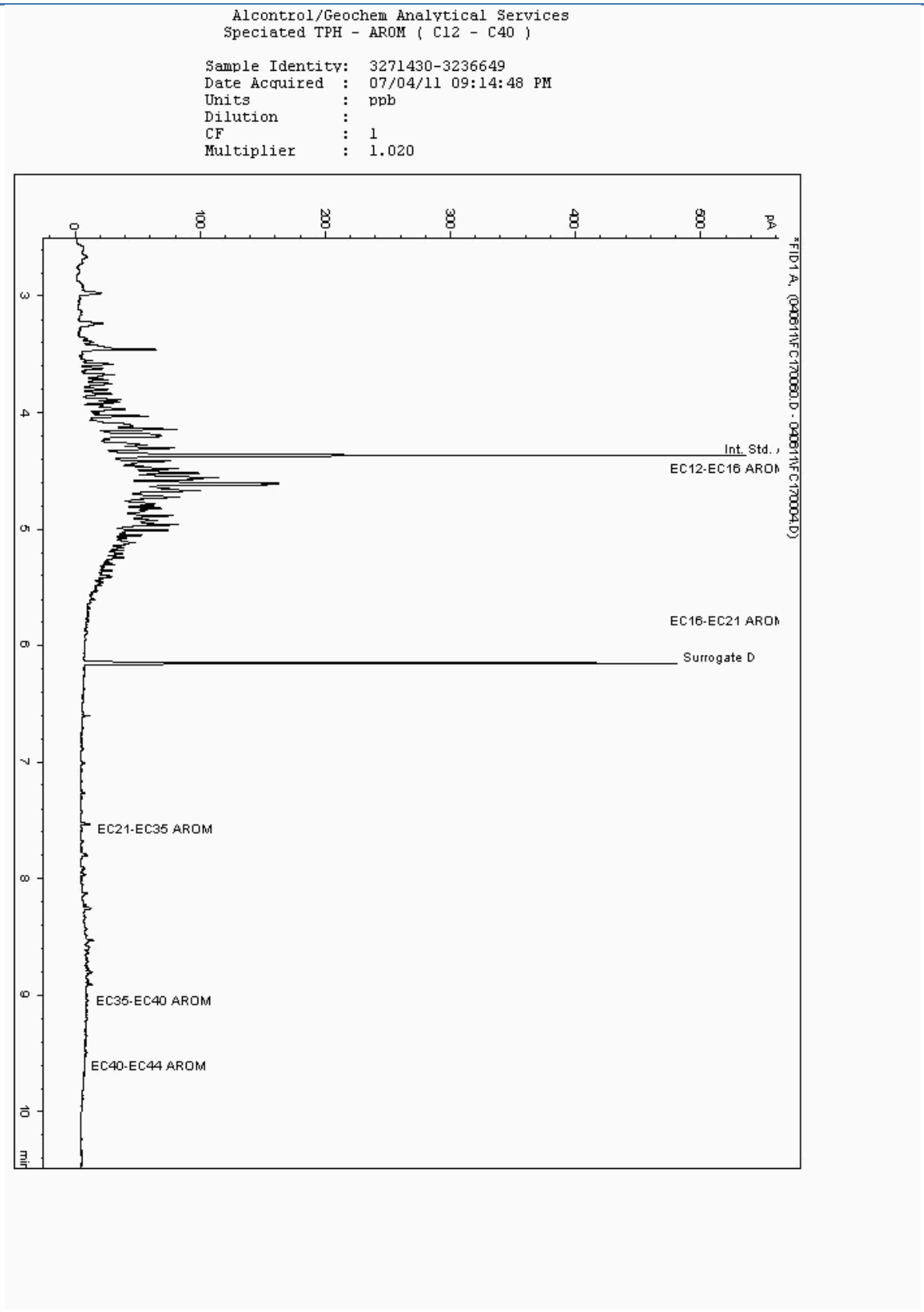
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3236649
Sample ID : CATP036

Depth : 1.20



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

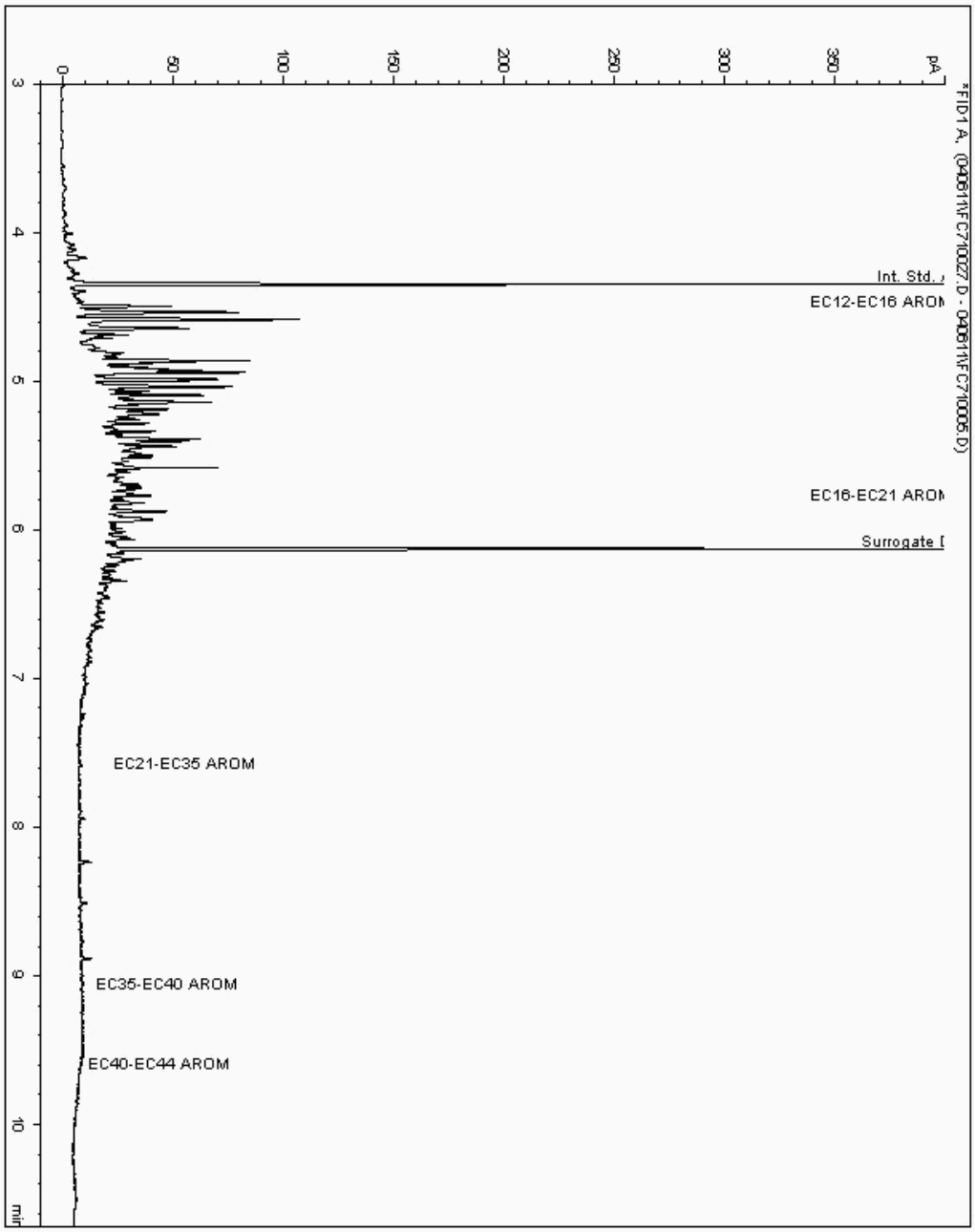
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236657 **Depth :** 2.30

Sample ID : CATP058

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

Sample Identity: 3271266-3236657
Date Acquired : 07/04/2011 05:02:11 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

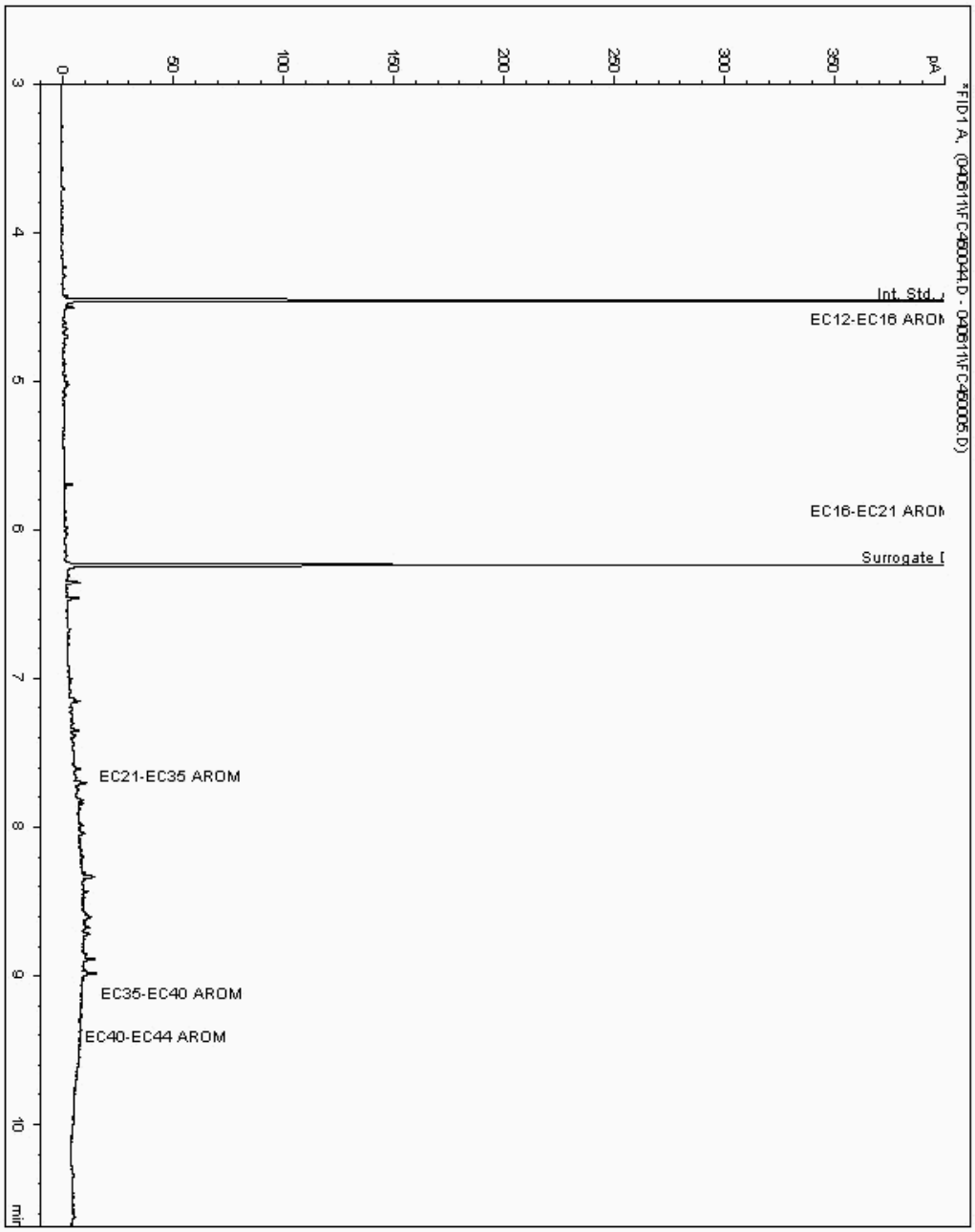
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3236684
Sample ID : CATP044

Depth : 0.60

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

Sample Identity: 3271538-3236684
Date Acquired : 07/04/11 06:08:12 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

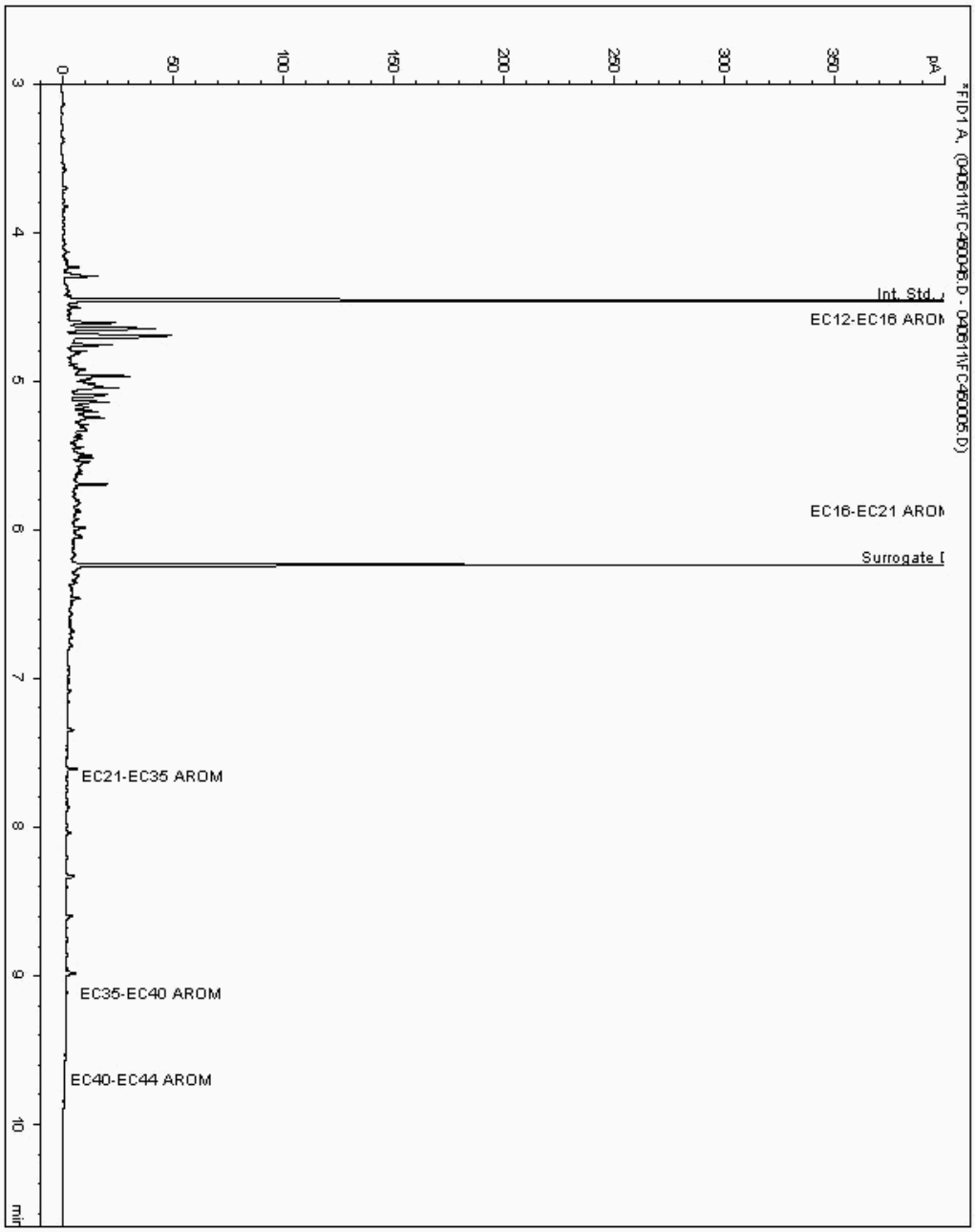
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236739 **Depth :** 2.30

Sample ID : CATP048

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

Sample Identity: 3270896-3236739
Date Acquired : 07/04/11 06:38:35 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

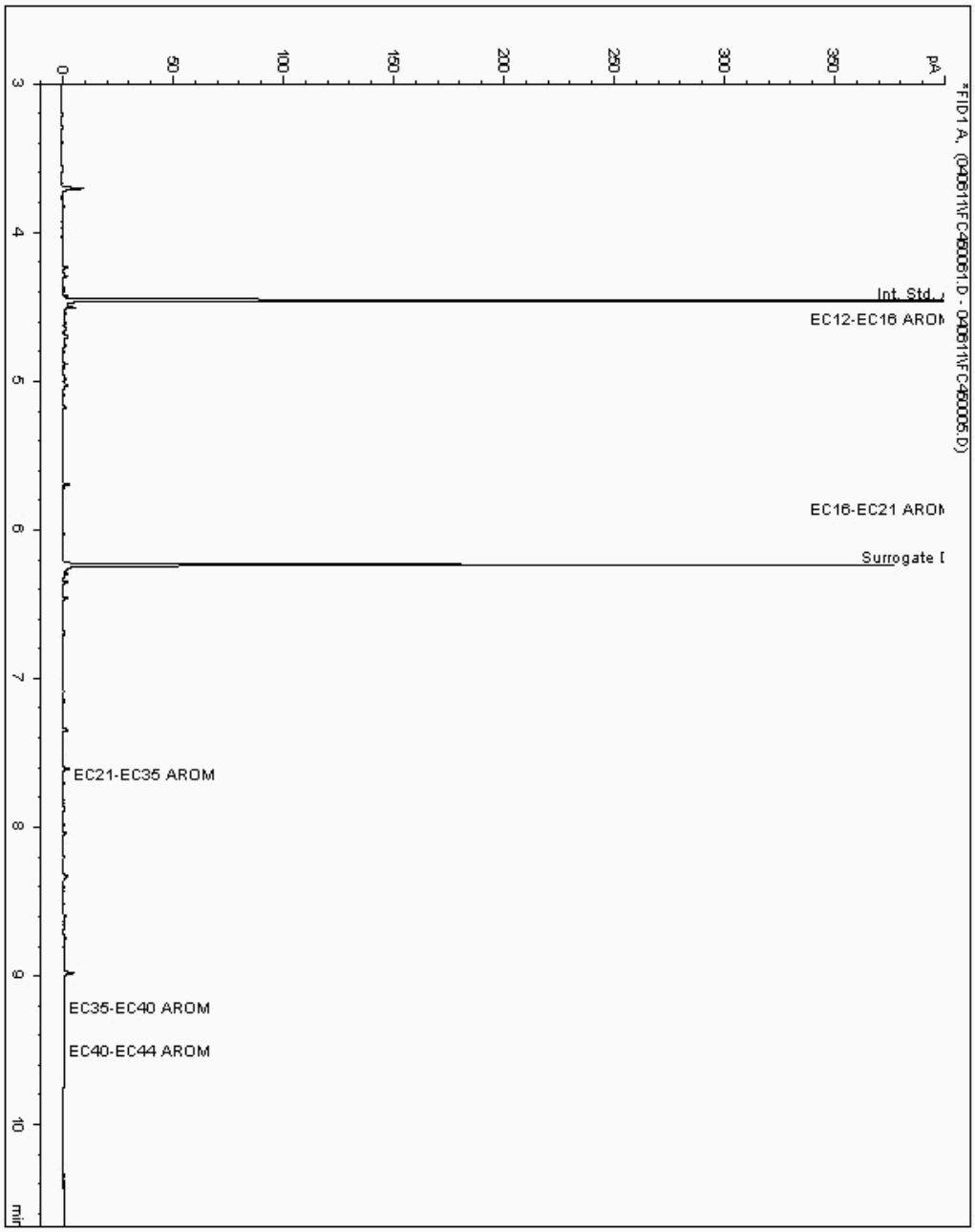
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236974 **Depth :** 1.20

Sample ID : CATP059

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

Sample Identity: 3271308-3236974
Date Acquired : 07/04/11 11:00:09 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

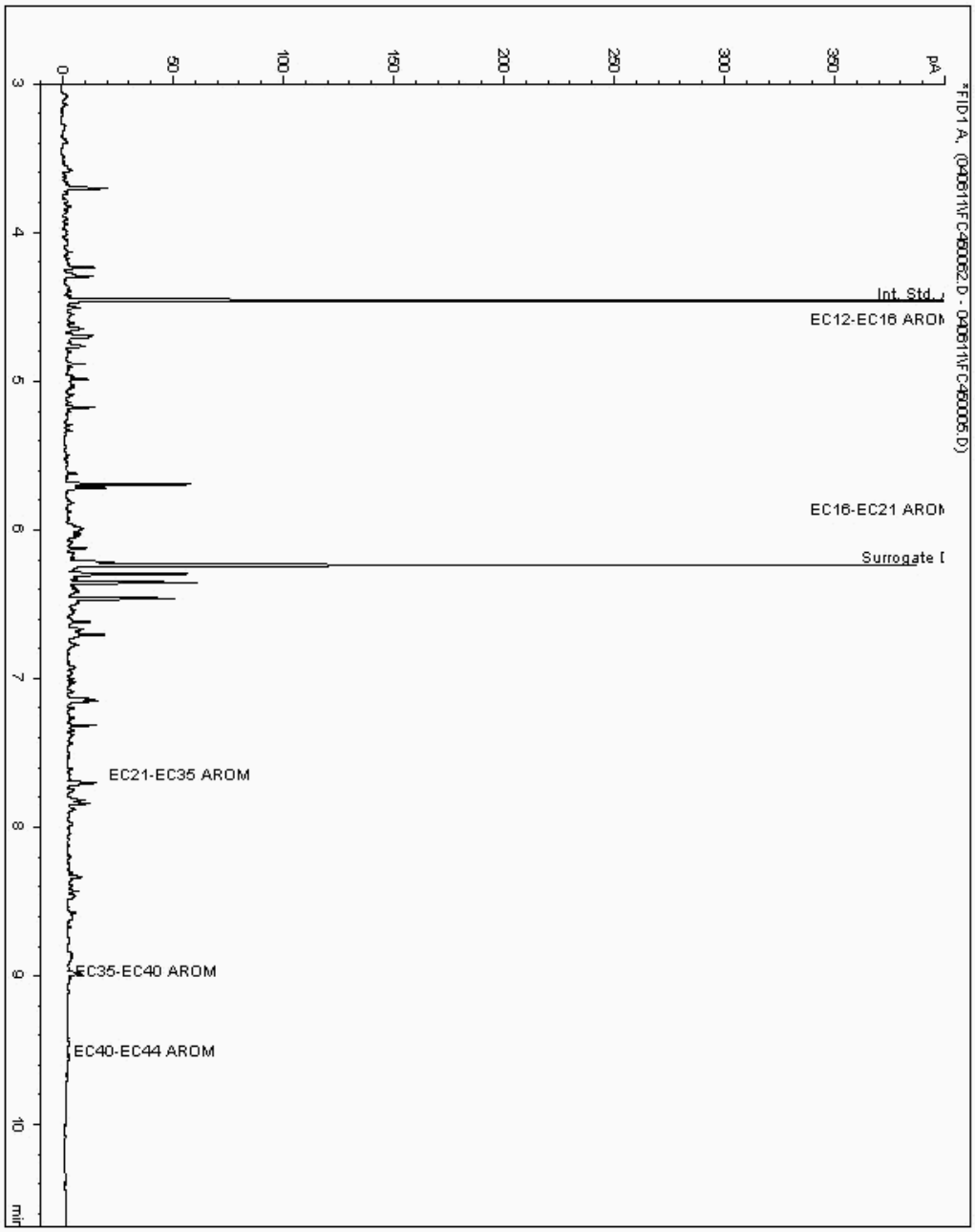
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3236986 **Depth :** 3.00

Sample ID : CATP044

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

Sample Identity: 3271613-3236986
Date Acquired : 07/04/11 11:20:15 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

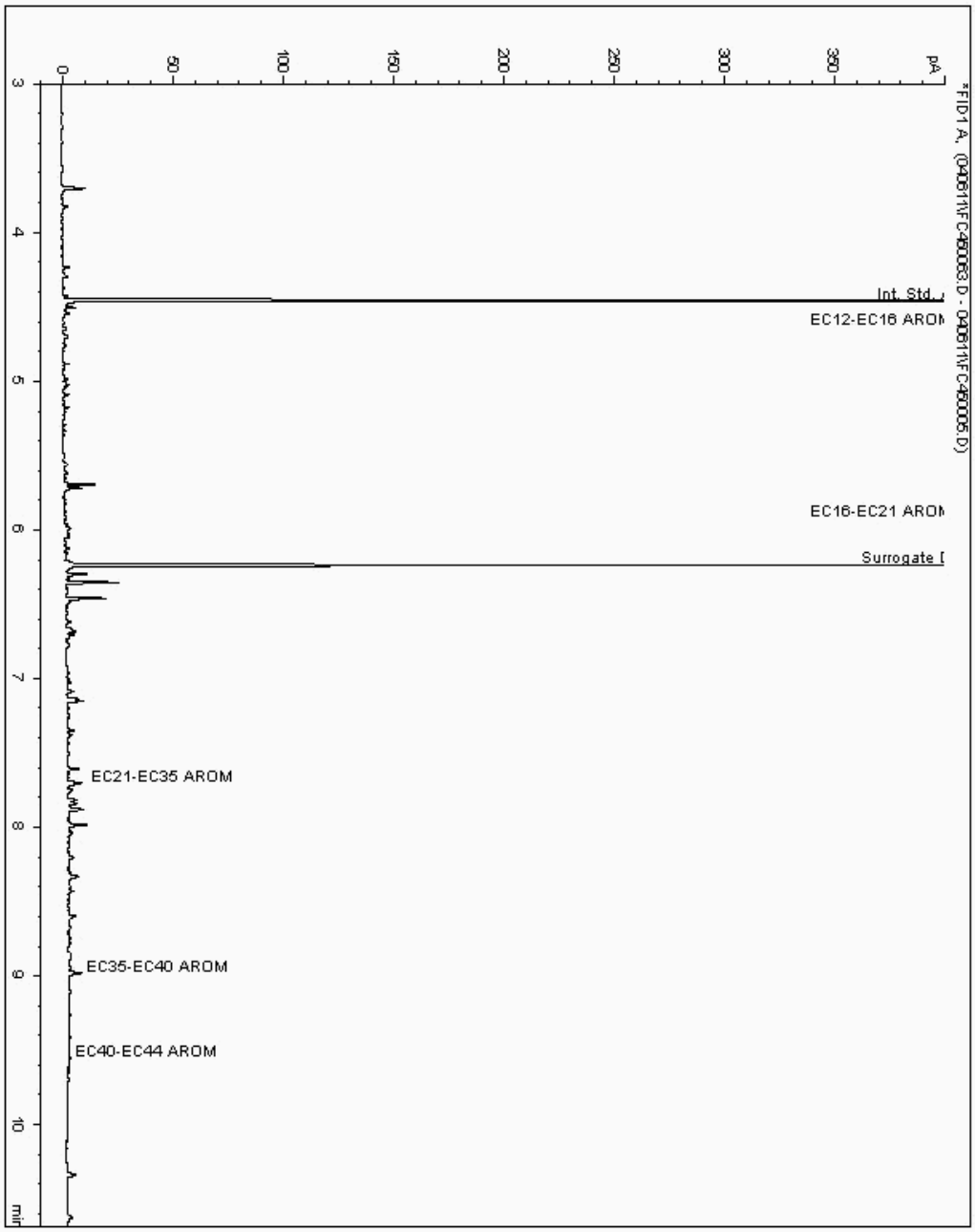
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3236995
Sample ID : CATP055

Depth : 0.50

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

Sample Identity: 3271799-3236995
Date Acquired : 07/04/11 11:40:16 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

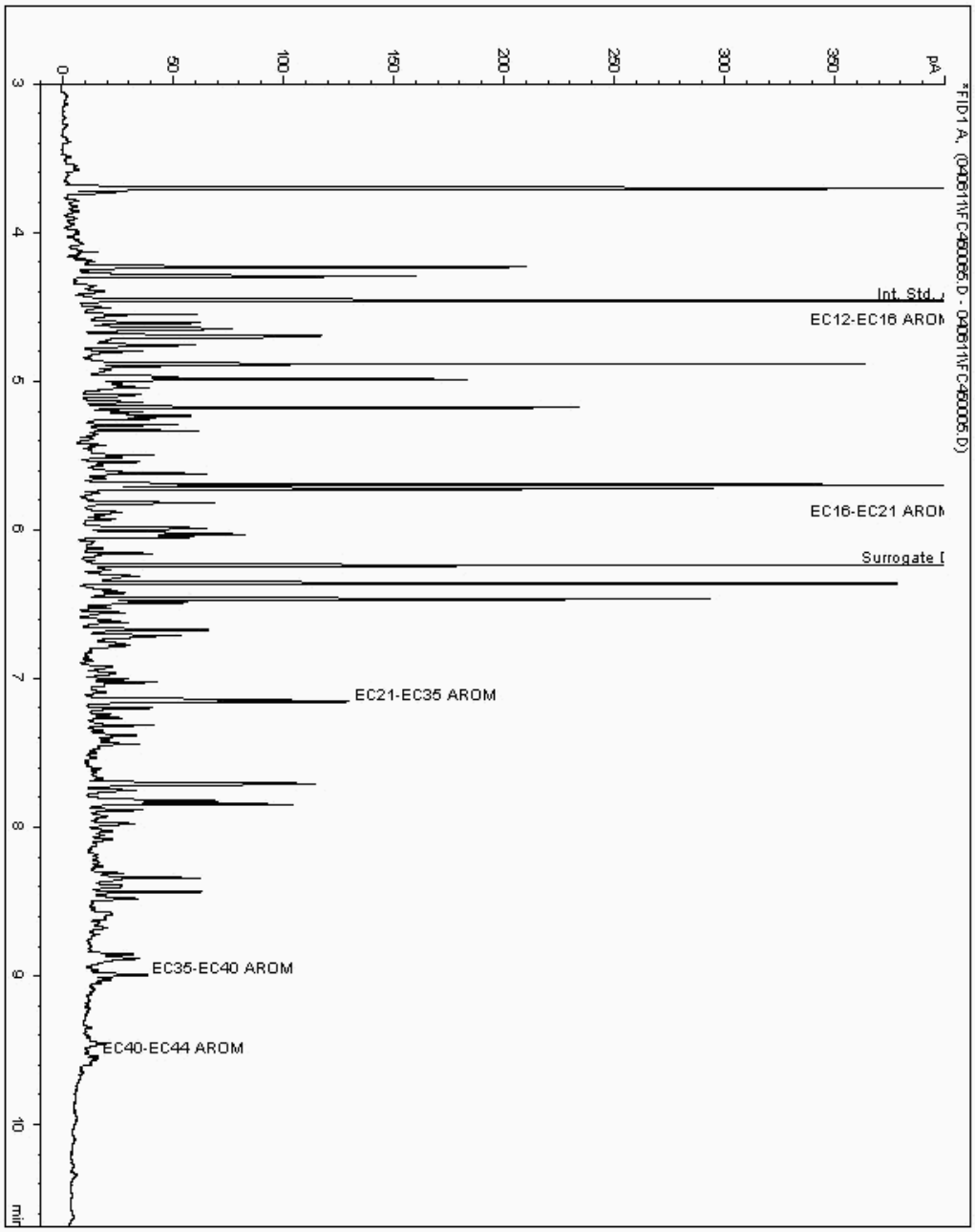
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3237040
Sample ID : CATP036

Depth : 2.70

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

Sample Identity: 3271448-3237040
Date Acquired : 07/04/11 12:10:42 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

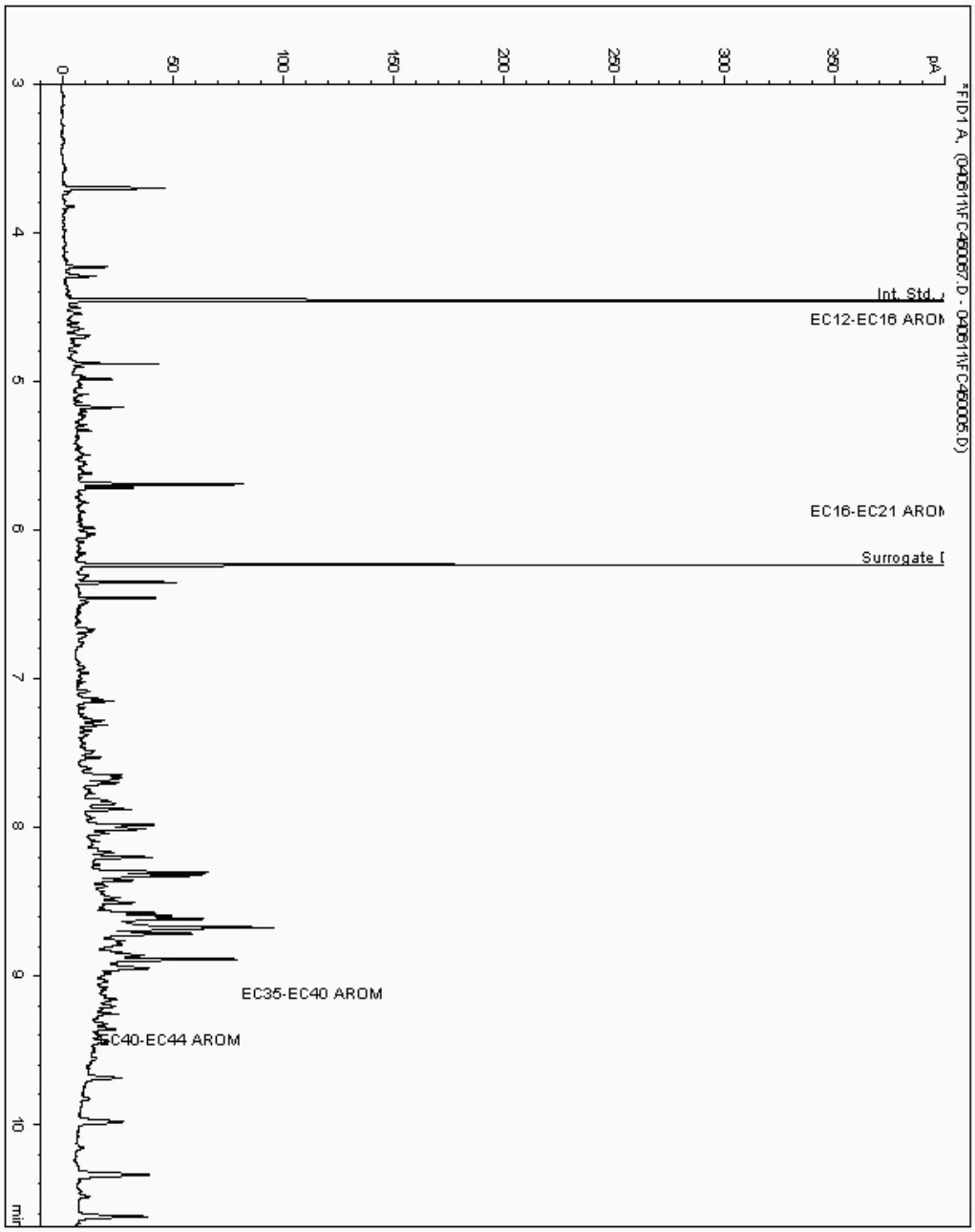
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3237061 **Depth :** 1.10

Sample ID : CATP041

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

Sample Identity: 3271523-3237061
Date Acquired : 07/04/11 12:40:58 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

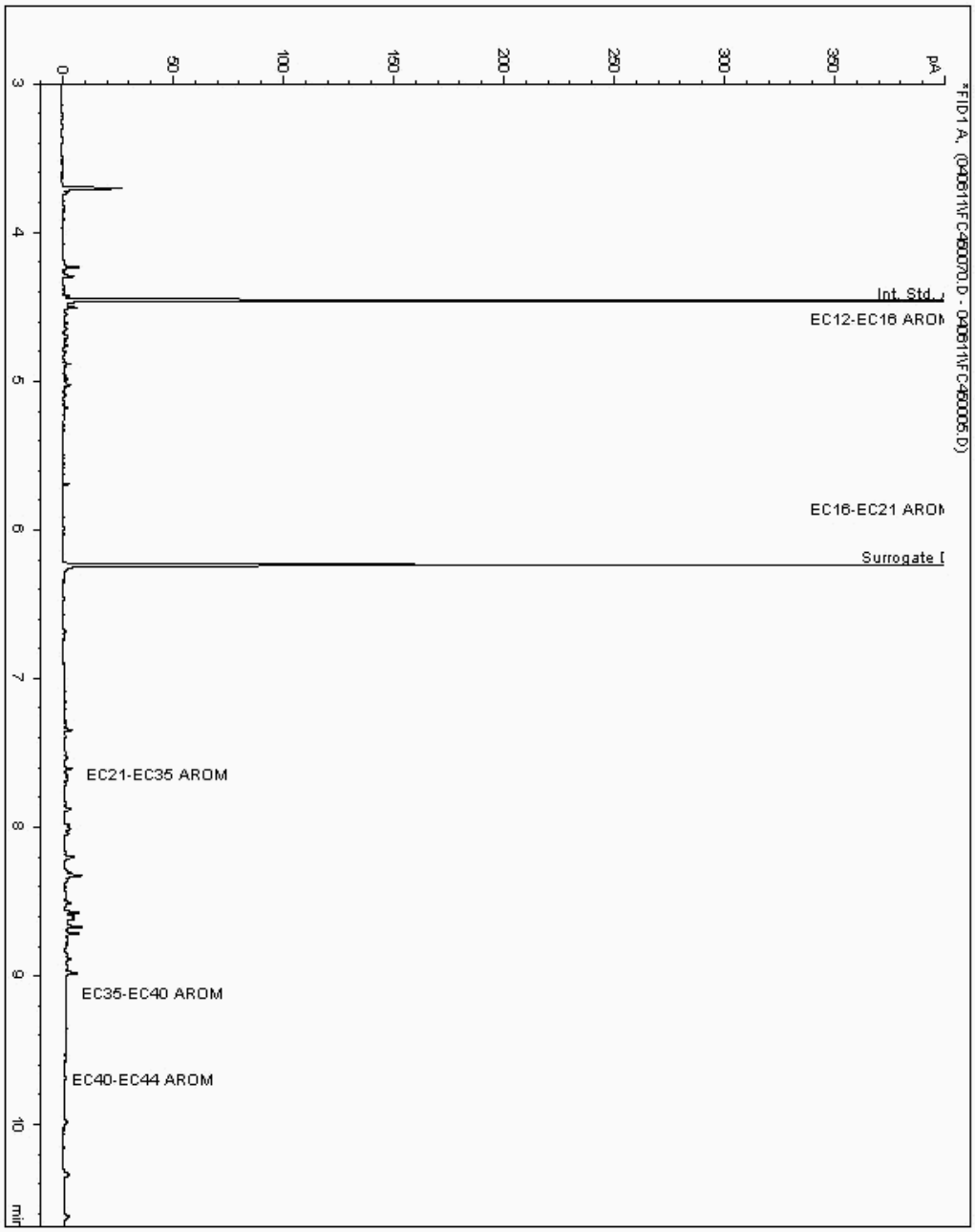
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3237101 **Depth :** 1.00
Sample ID : CATP065

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

Sample Identity: 3272362-3237101
Date Acquired : 07/04/11 13:31:32 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

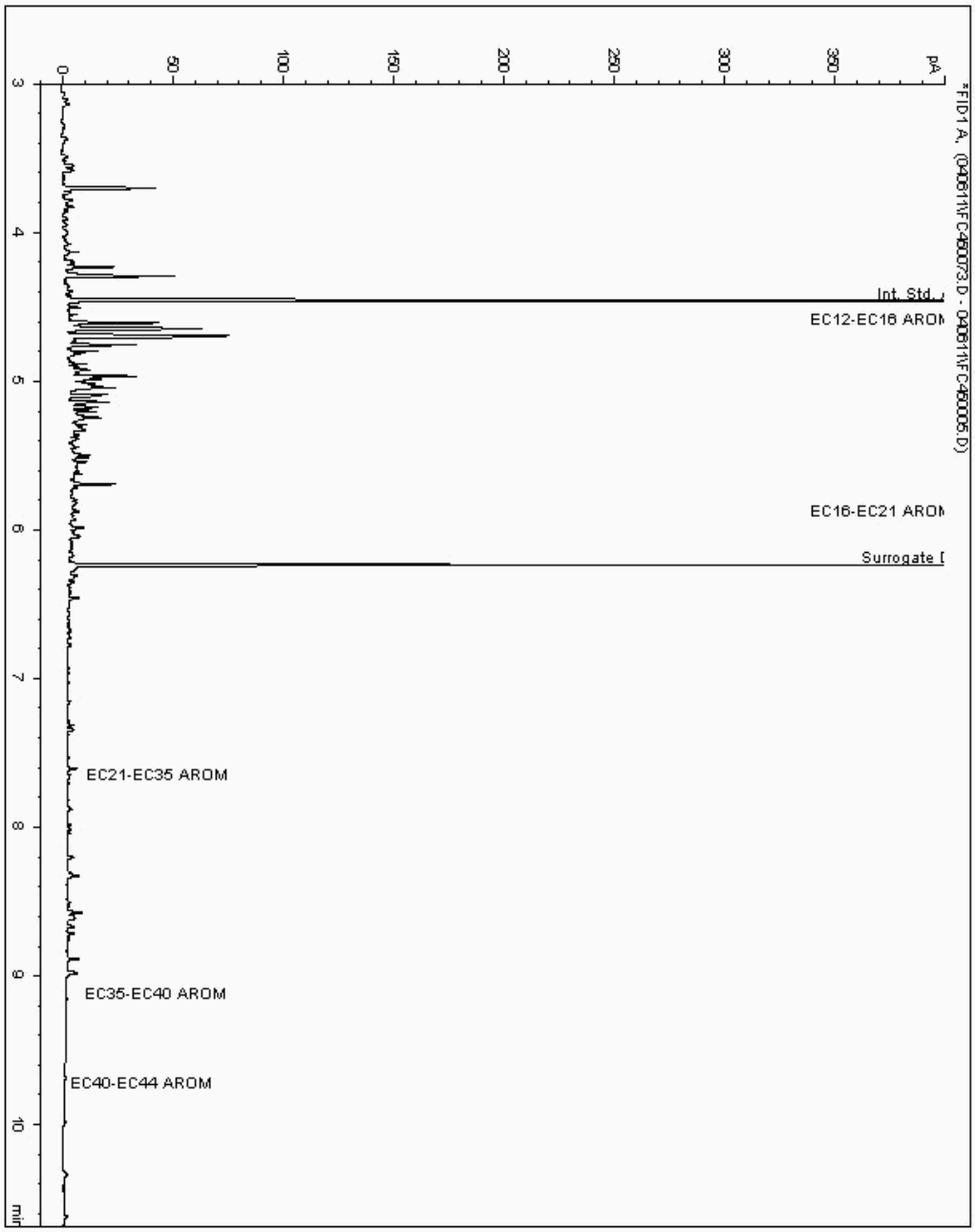
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3237169
Sample ID : CATP055

Depth : 2.00

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

Sample Identity: 3271904-3237169
Date Acquired : 07/04/11 14:22:08 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

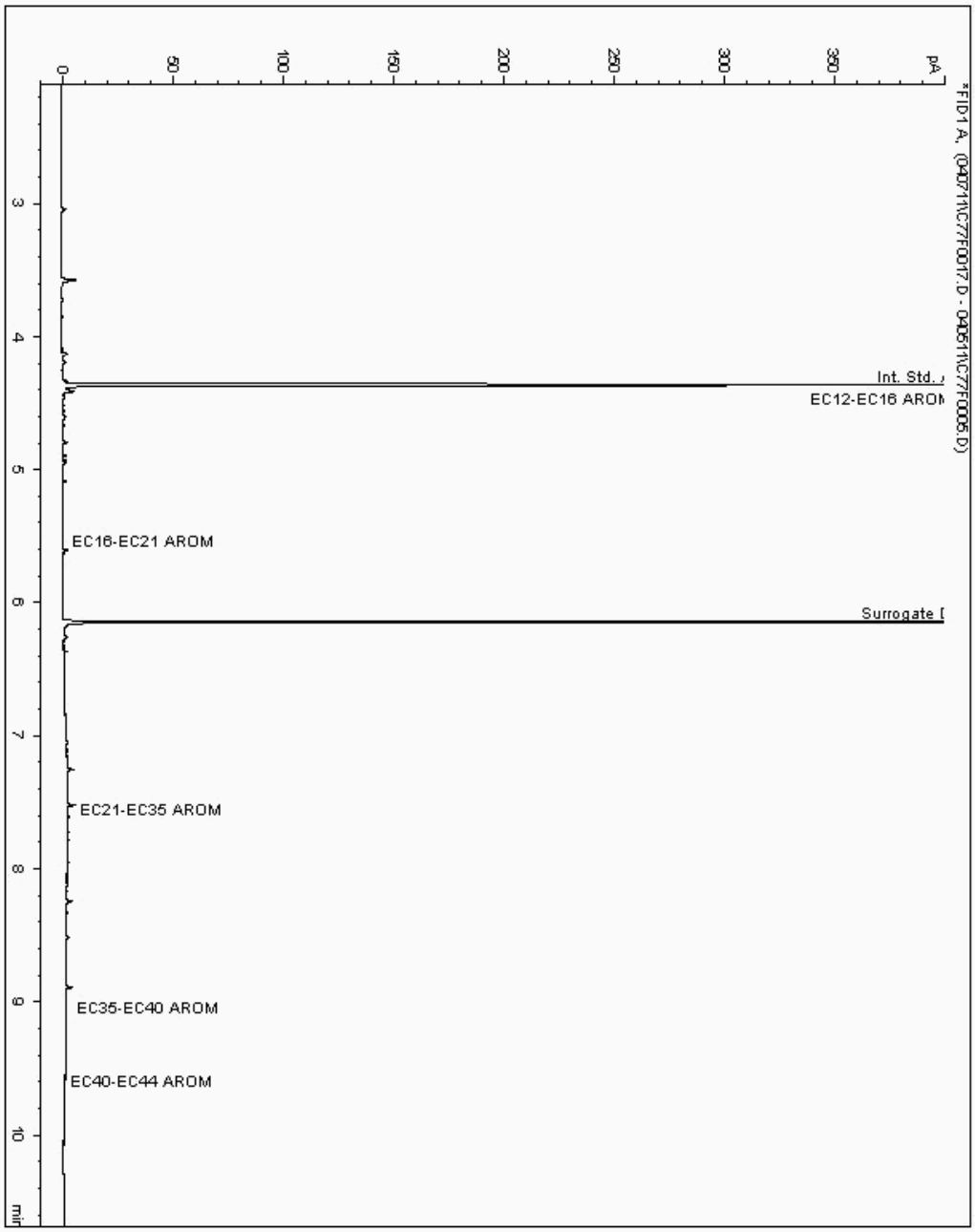
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3237233
Sample ID : CATP033

Depth : 0.40

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

Sample Identity: 3270687-3237233
Date Acquired : 07/04/11 13:30:04 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

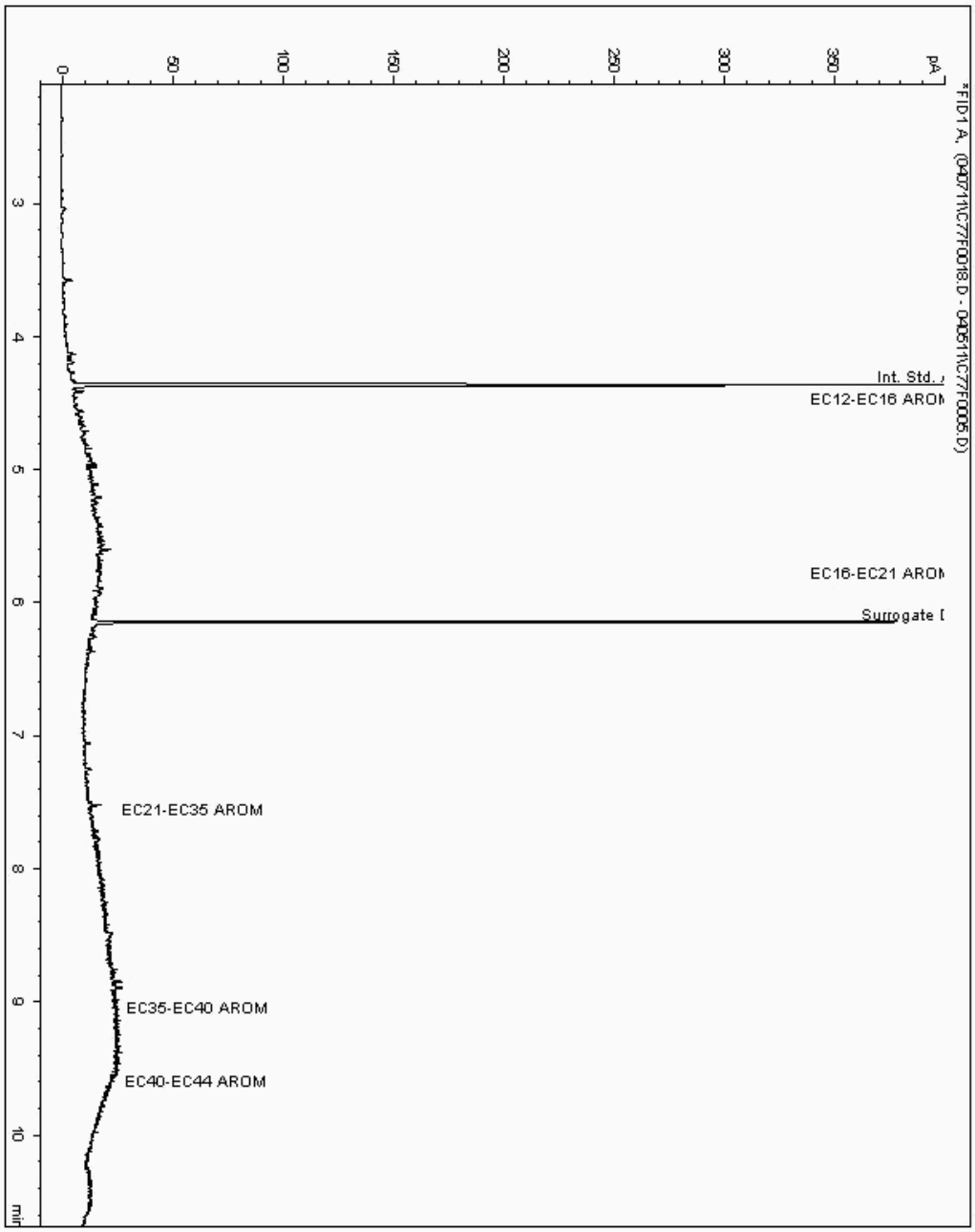
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3237448 **Depth :** 0.90

Sample ID : CATP058

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

Sample Identity: 3271225-3237448
Date Acquired : 07/04/11 13:50:07 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

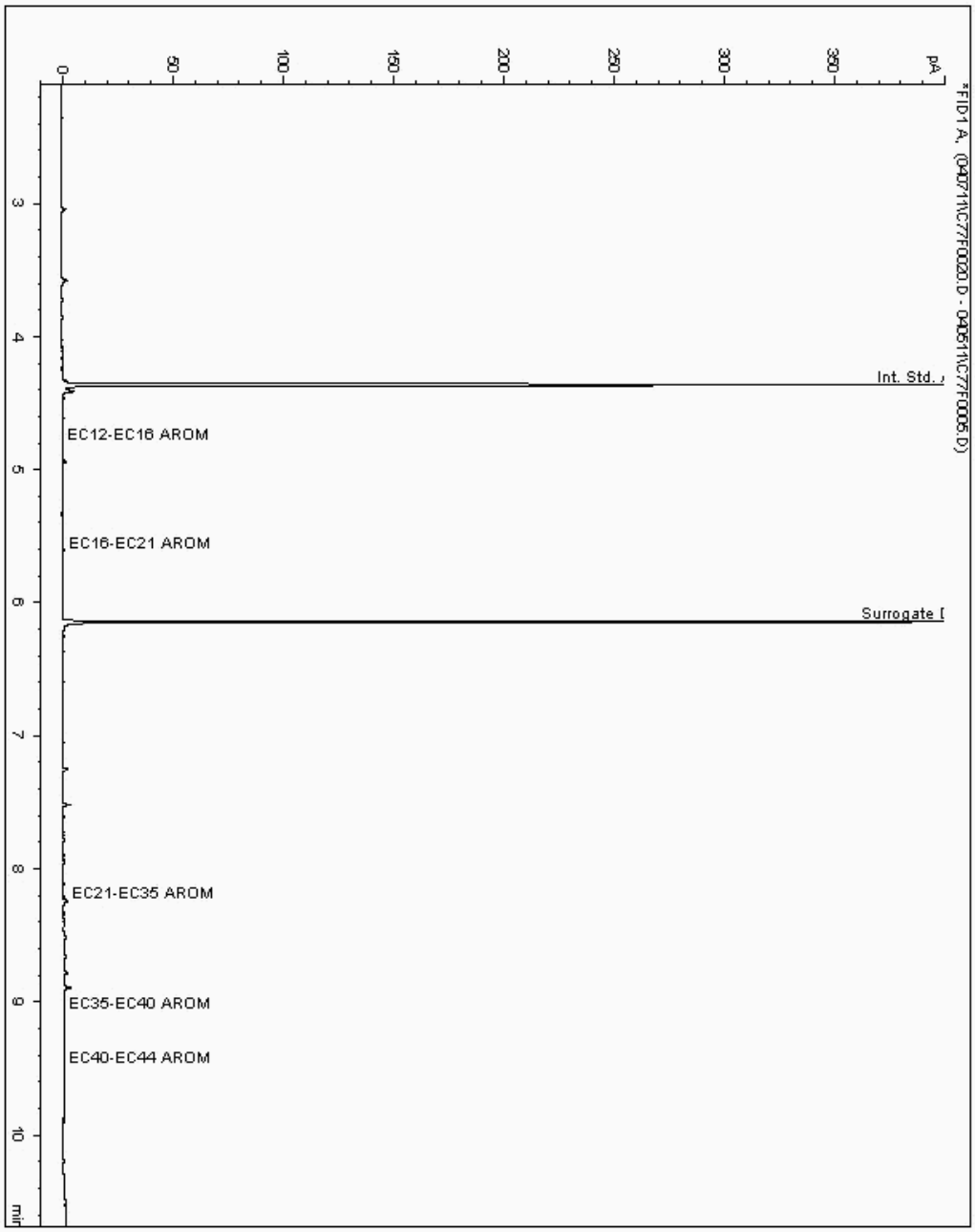
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3237462
Sample ID : CATP056

Depth : 1.00

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

Sample Identity: 3272009-3237462
Date Acquired : 07/04/11 14:20:11 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

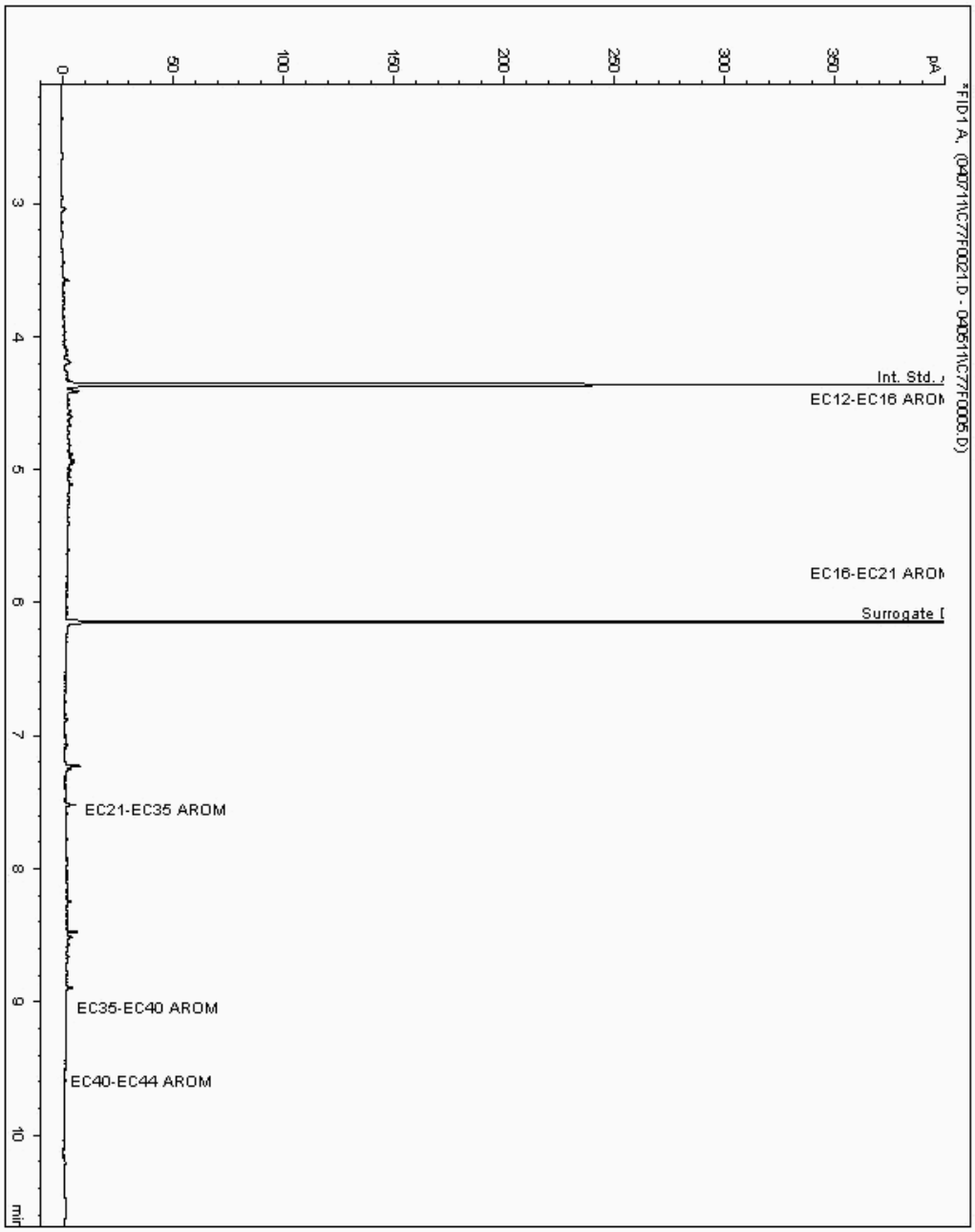
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3237502 **Depth :** 1.50

Sample ID : CATP047

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

Sample Identity: 3270832-3237502
Date Acquired : 07/04/11 14:40:23 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

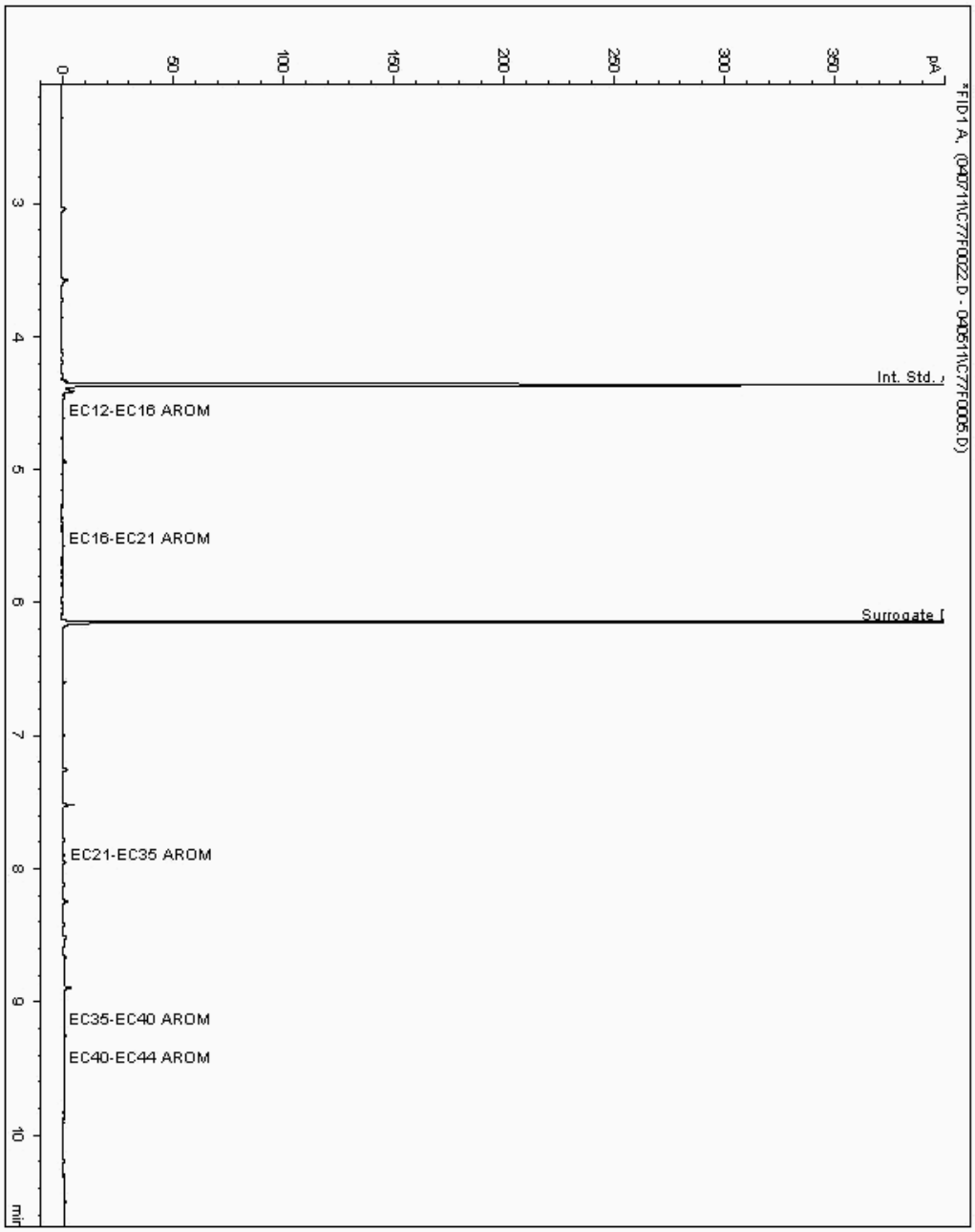
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3237528 **Depth :** 1.00

Sample ID : CATP064

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

Sample Identity: 3272415-3237528
Date Acquired : 07/04/11 15:00:57 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

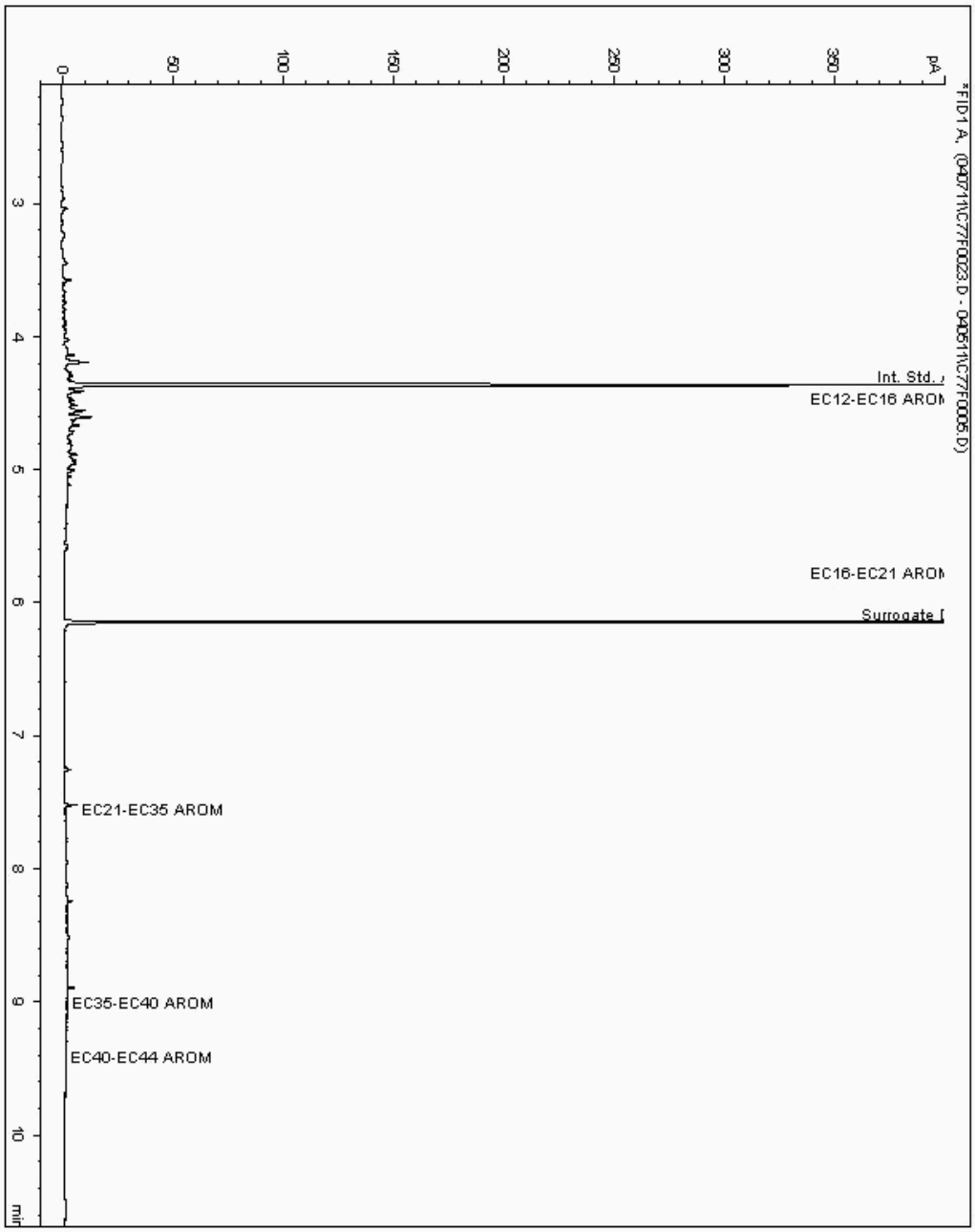
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3238032 **Depth :** 0.70

Sample ID : CATP048

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

Sample Identity: 3270861-3238032
Date Acquired : 07/04/11 15:21:08 PM
Units : ppb
Dilution:



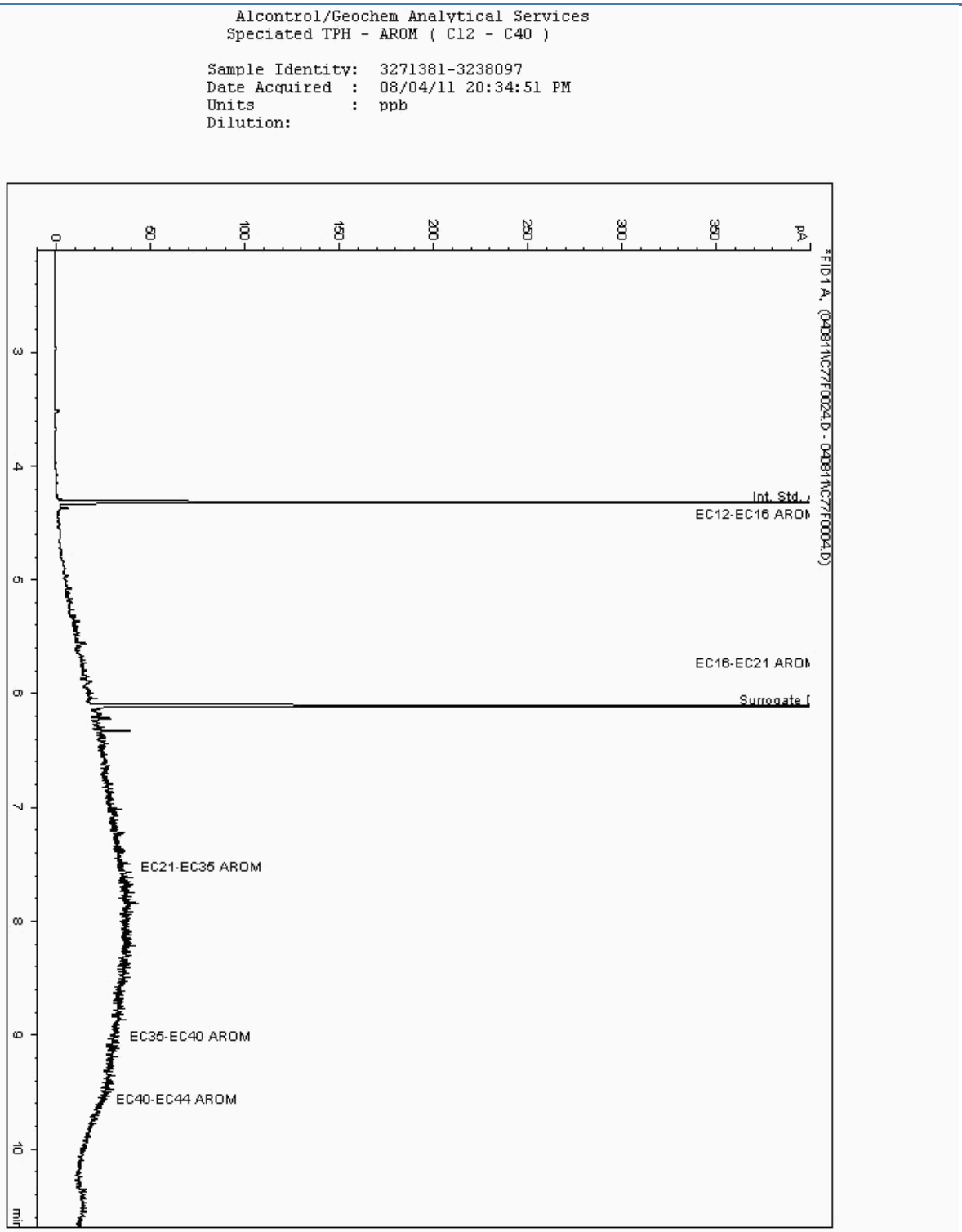
CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3238097 **Depth :** 0.50

Sample ID : CATP067



CERTIFICATE OF ANALYSIS

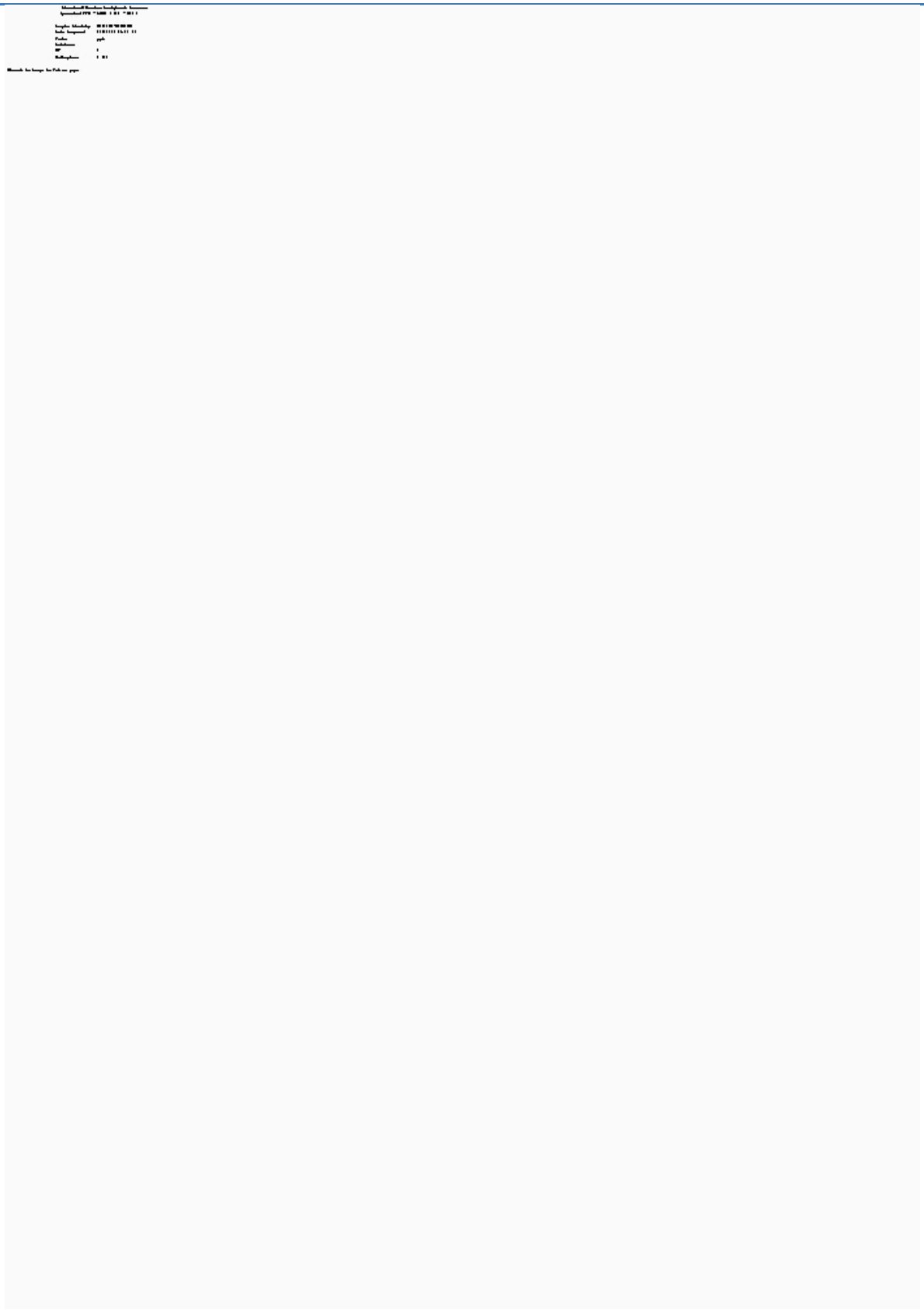
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3238236
Sample ID : CATP043

Depth : 0.20



CERTIFICATE OF ANALYSIS

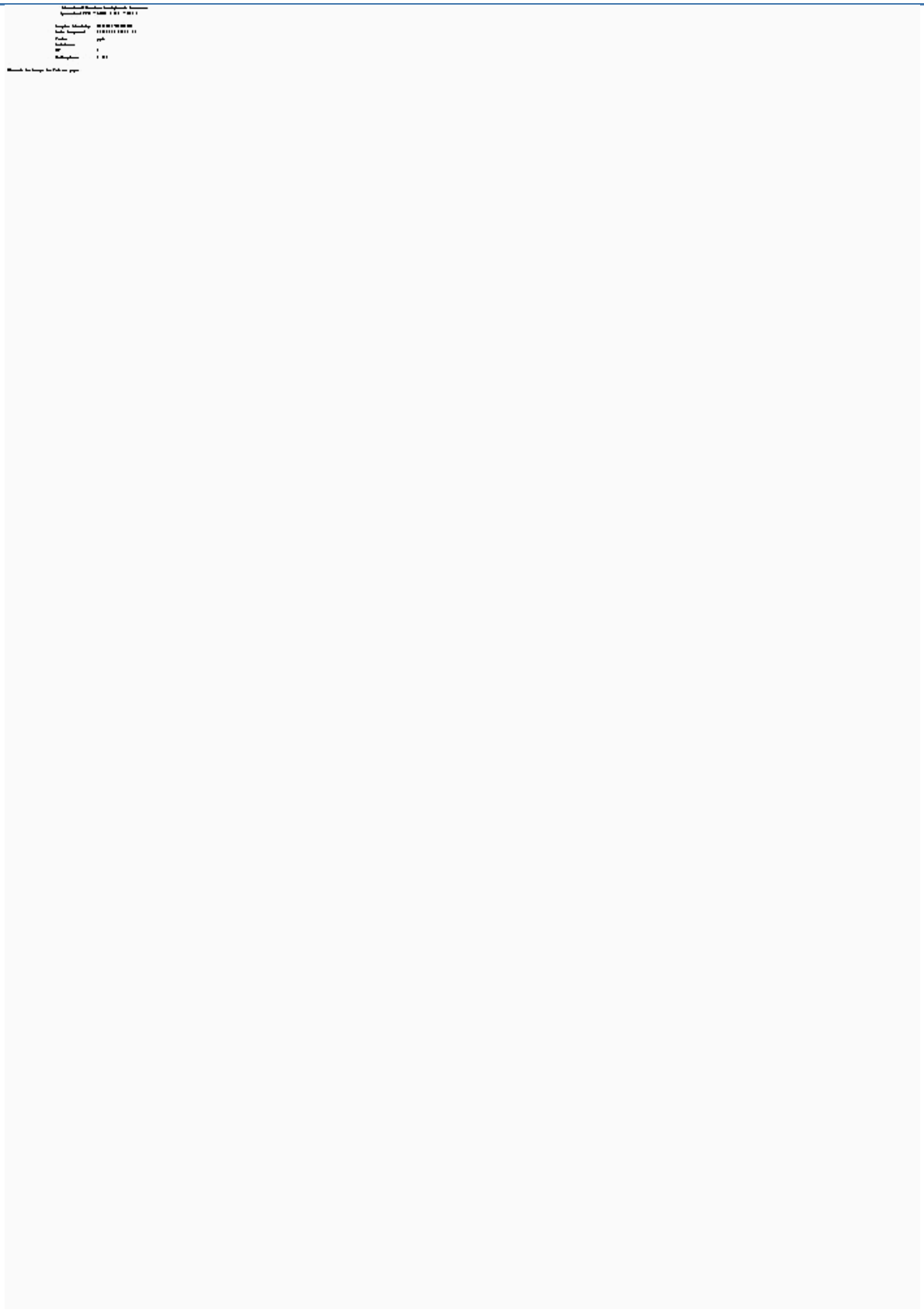
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3238266
Sample ID : CATP031

Depth : 0.60



CERTIFICATE OF ANALYSIS

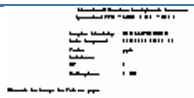
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3238326
Sample ID : CATP030

Depth : 0.80



CERTIFICATE OF ANALYSIS

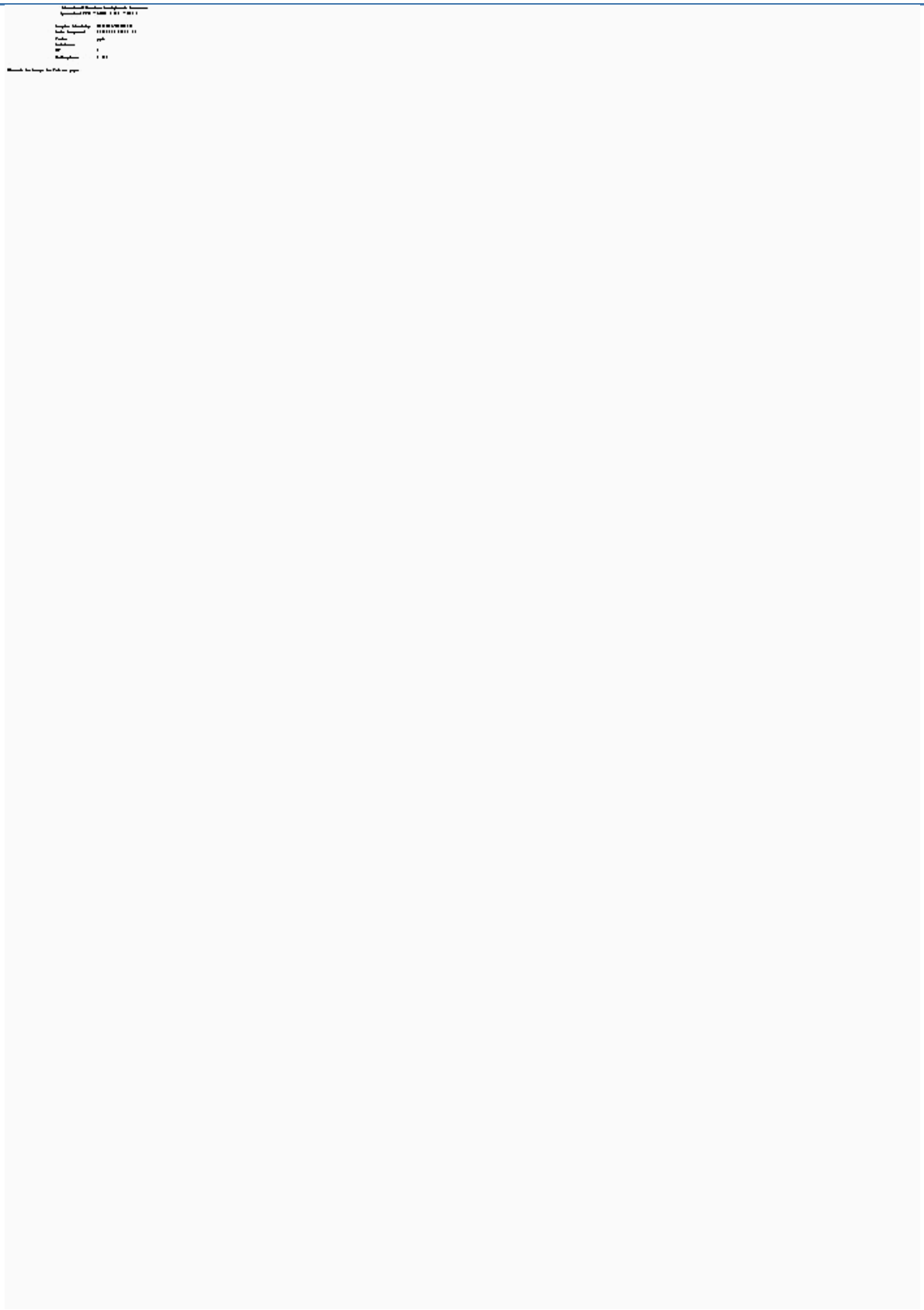
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3238723
Sample ID : CATP031

Depth : 0.20



CERTIFICATE OF ANALYSIS

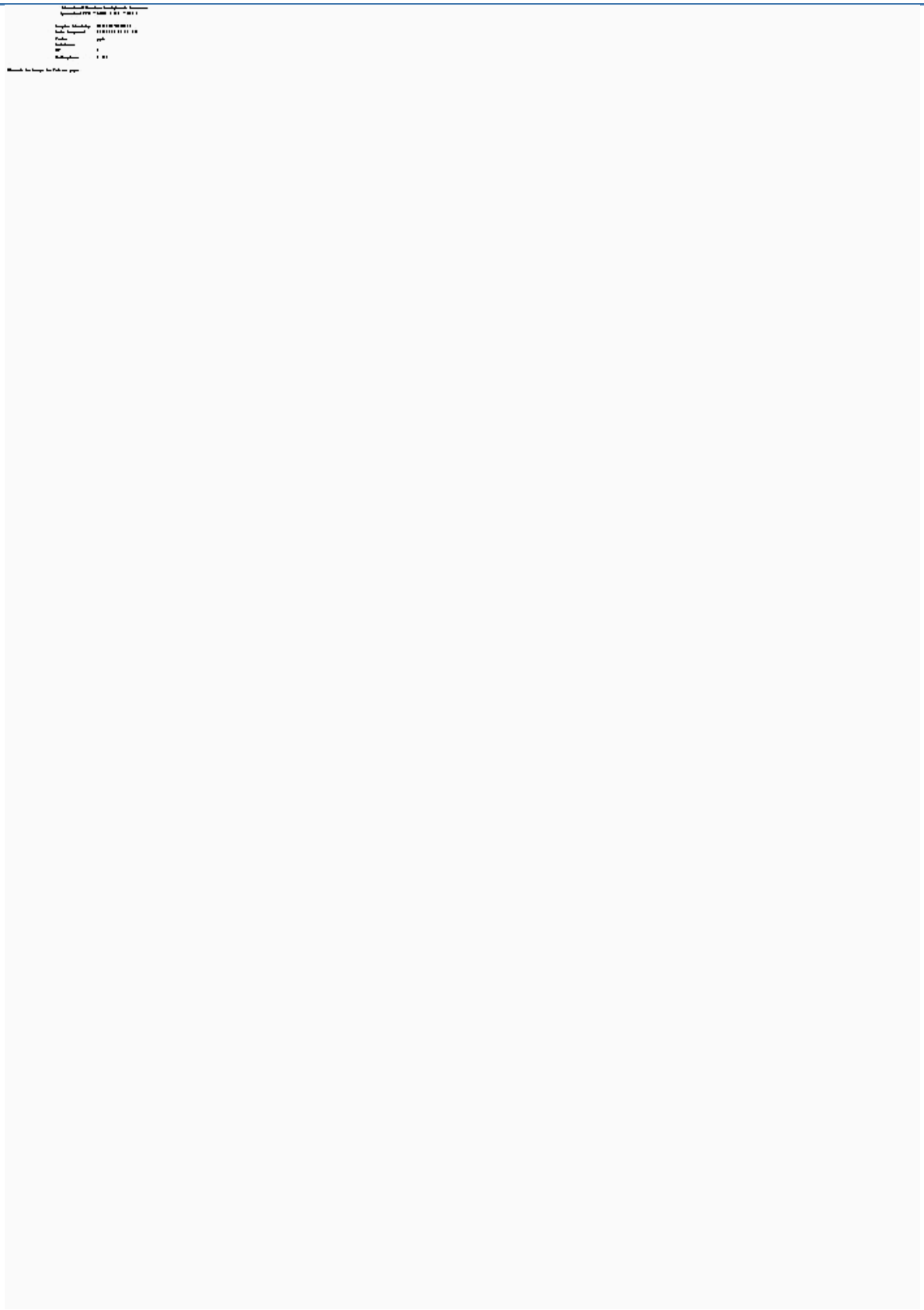
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239128
Sample ID : CATP028

Depth : 0.10



CERTIFICATE OF ANALYSIS

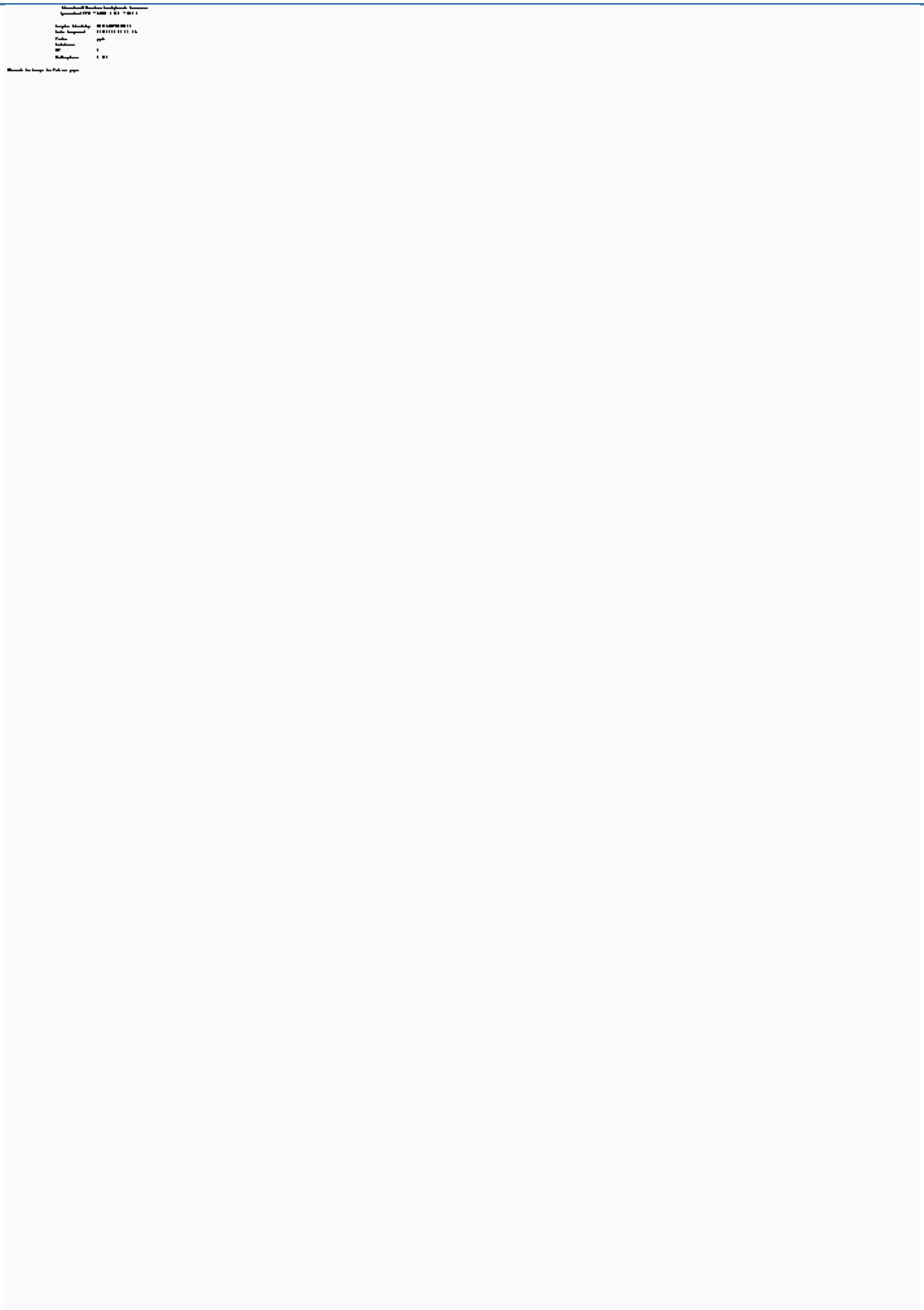
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239144
Sample ID : CATP030

Depth : 0.10



CERTIFICATE OF ANALYSIS

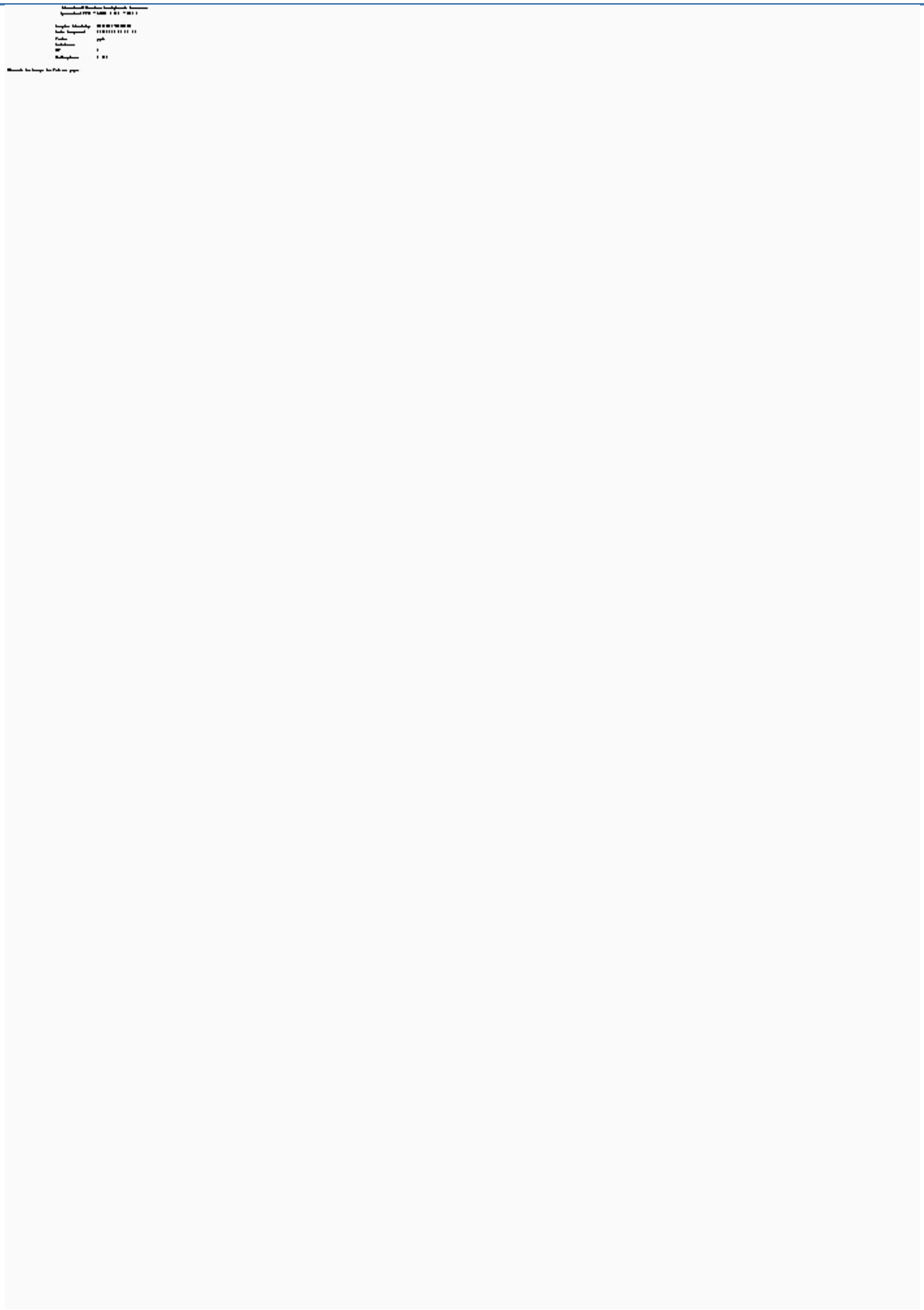
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239161
Sample ID : CATP064

Depth : 0.50



CERTIFICATE OF ANALYSIS

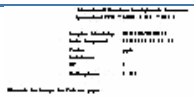
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239188
Sample ID : CATP027

Depth : 1.00



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

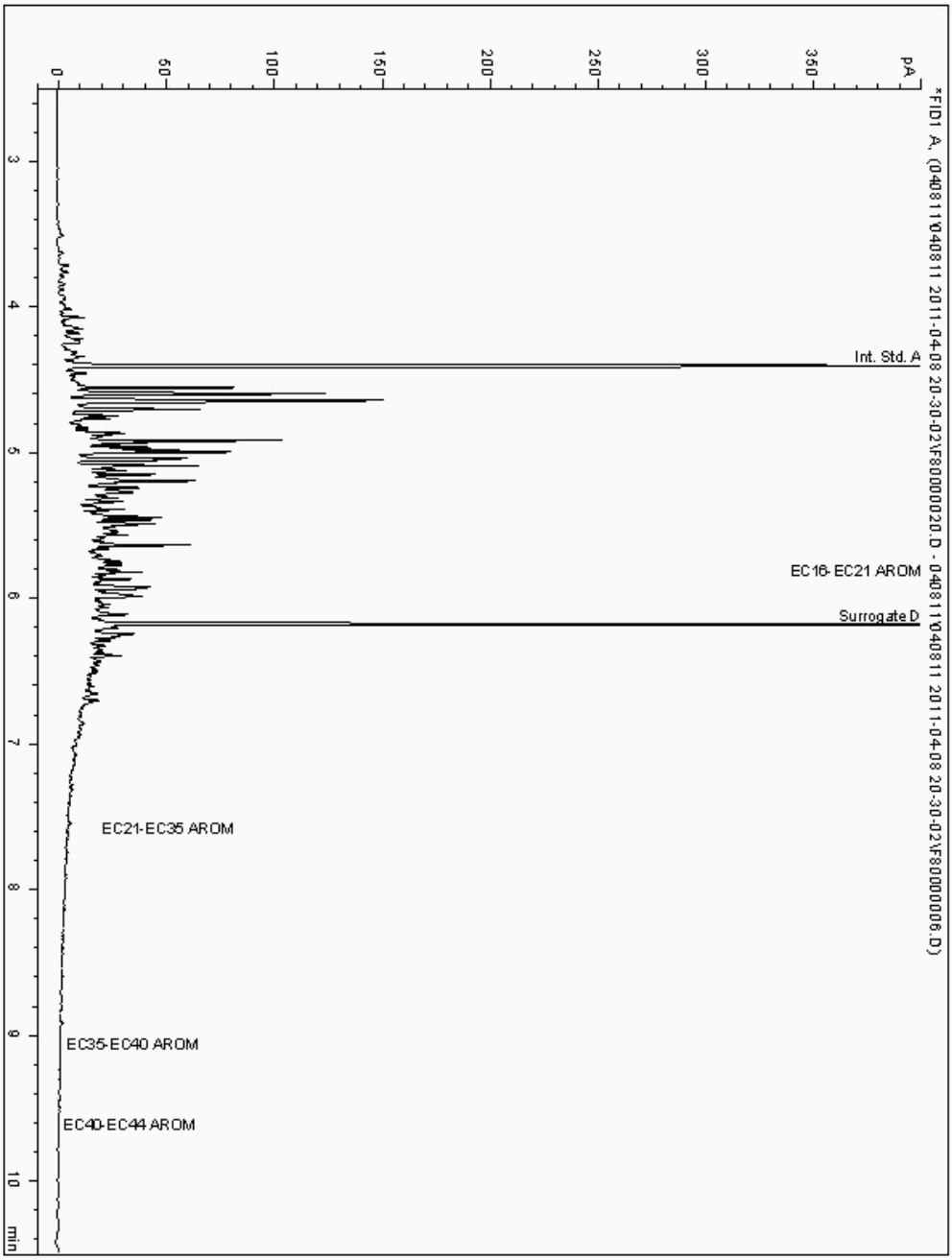
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239222
Sample ID : CATP054

Depth : 0.80

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

Sample Identity: 3271055-3239222
Date Acquired : 08/04/11 16:25:43
Units : ppb
Dilution :
CF : 1
Multiplier : 4.820



CERTIFICATE OF ANALYSIS

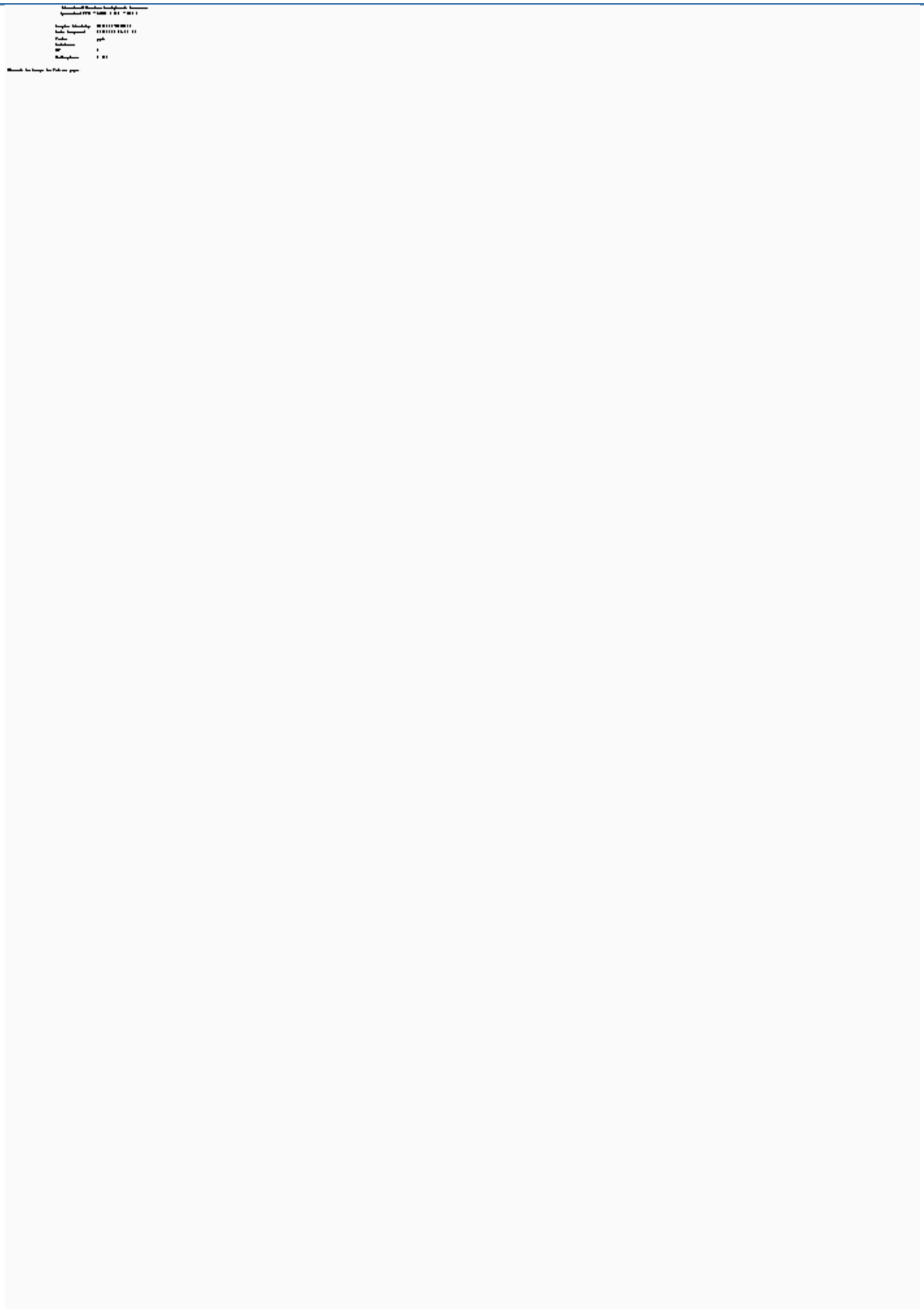
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239244
Sample ID : CATP058

Depth : 0.40



CERTIFICATE OF ANALYSIS

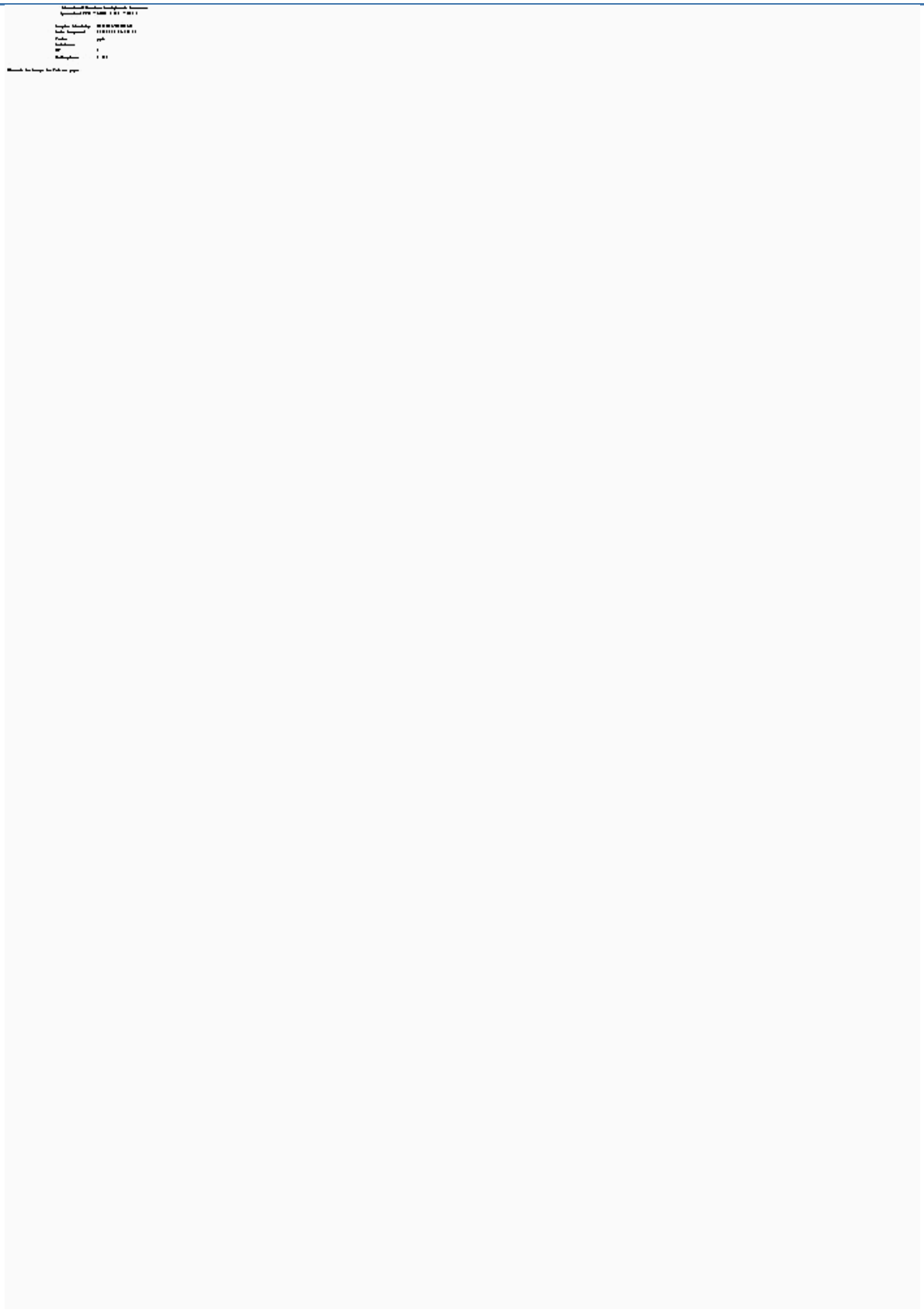
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239293
Sample ID : CATP066

Depth : 0.40



CERTIFICATE OF ANALYSIS

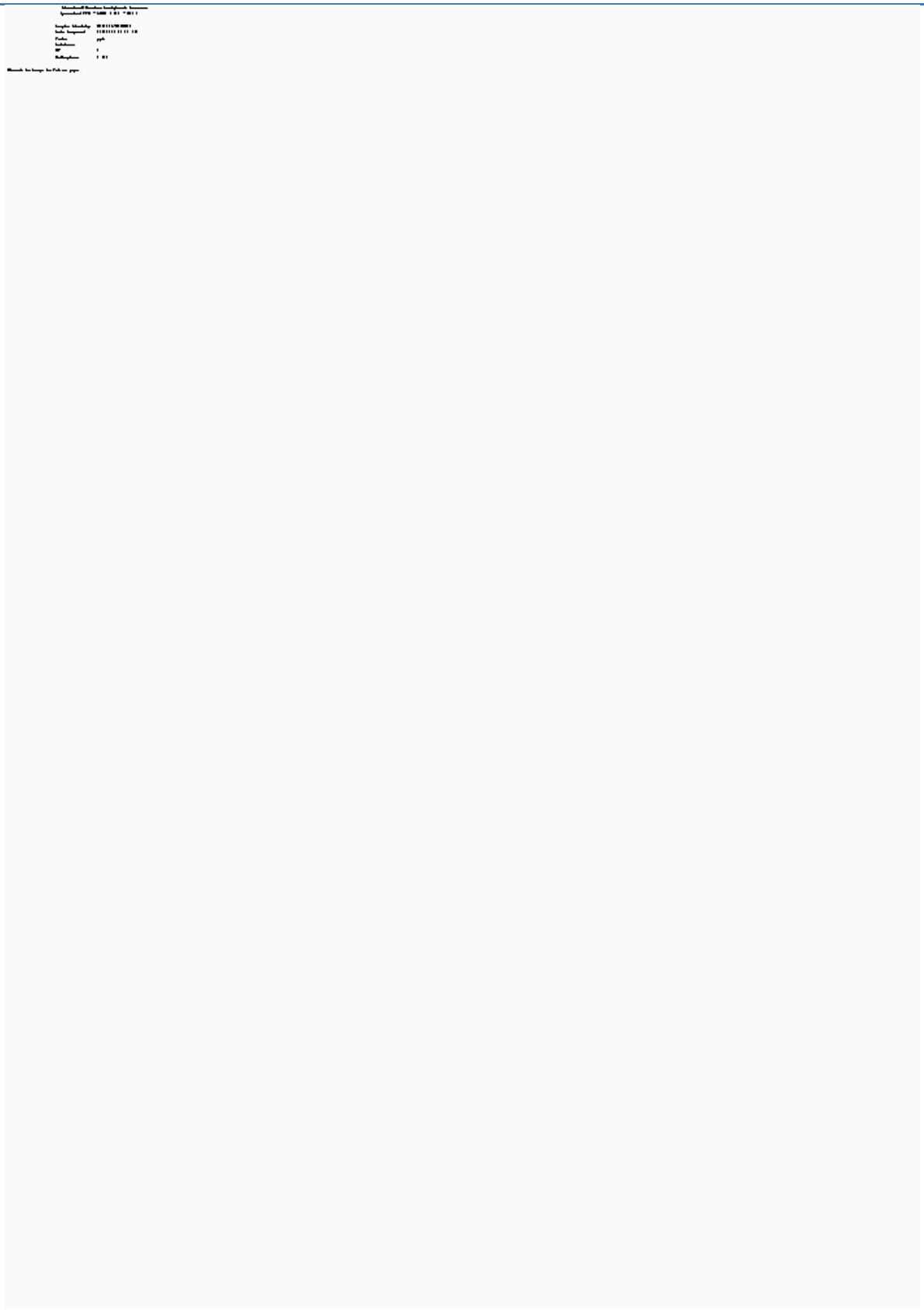
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239321
Sample ID : CATP057

Depth : 0.40



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

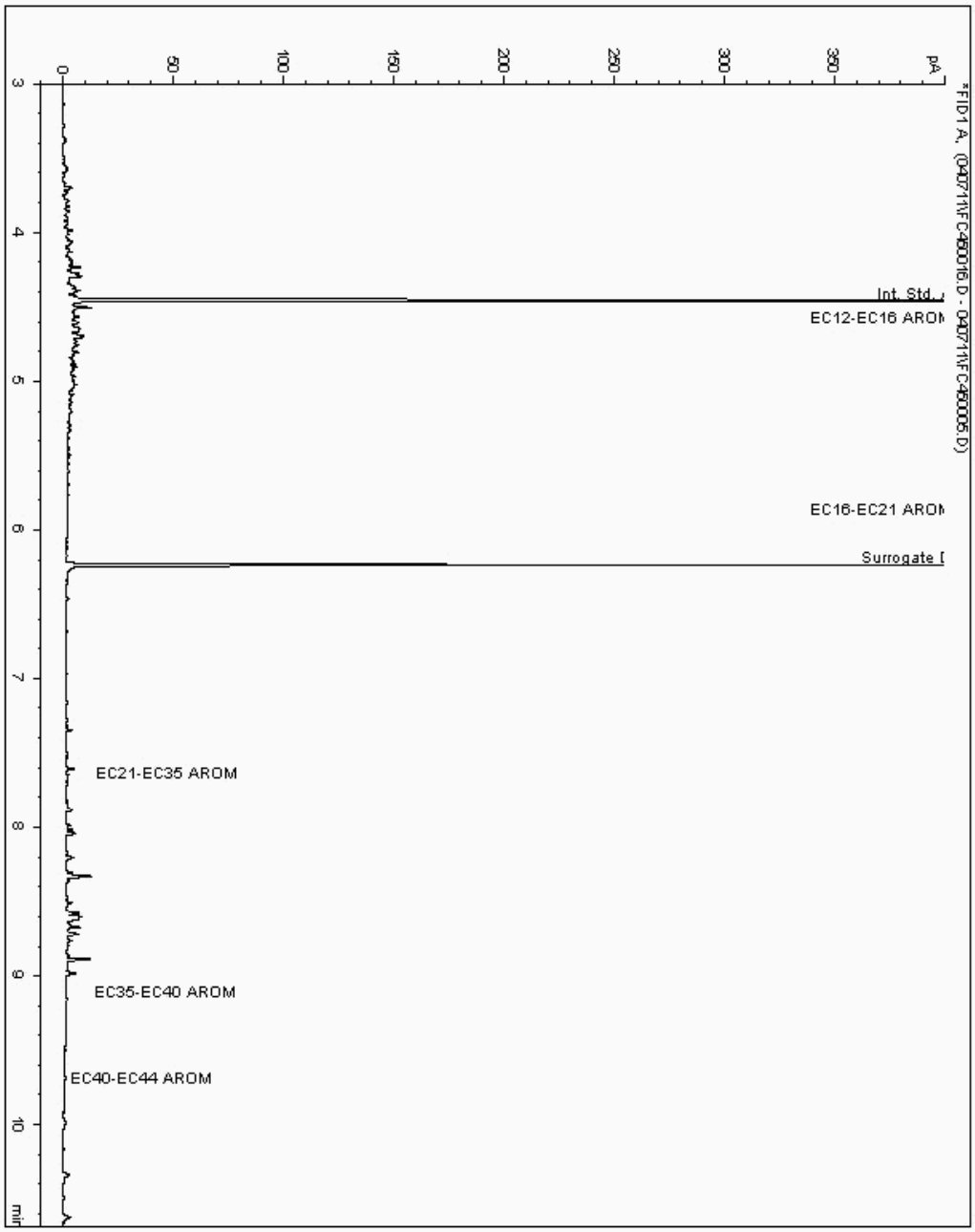
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239356
Sample ID : CATP036

Depth : 0.90

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

Sample Identity: 3271416-3239356
Date Acquired : 08/04/11 02:26:16 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

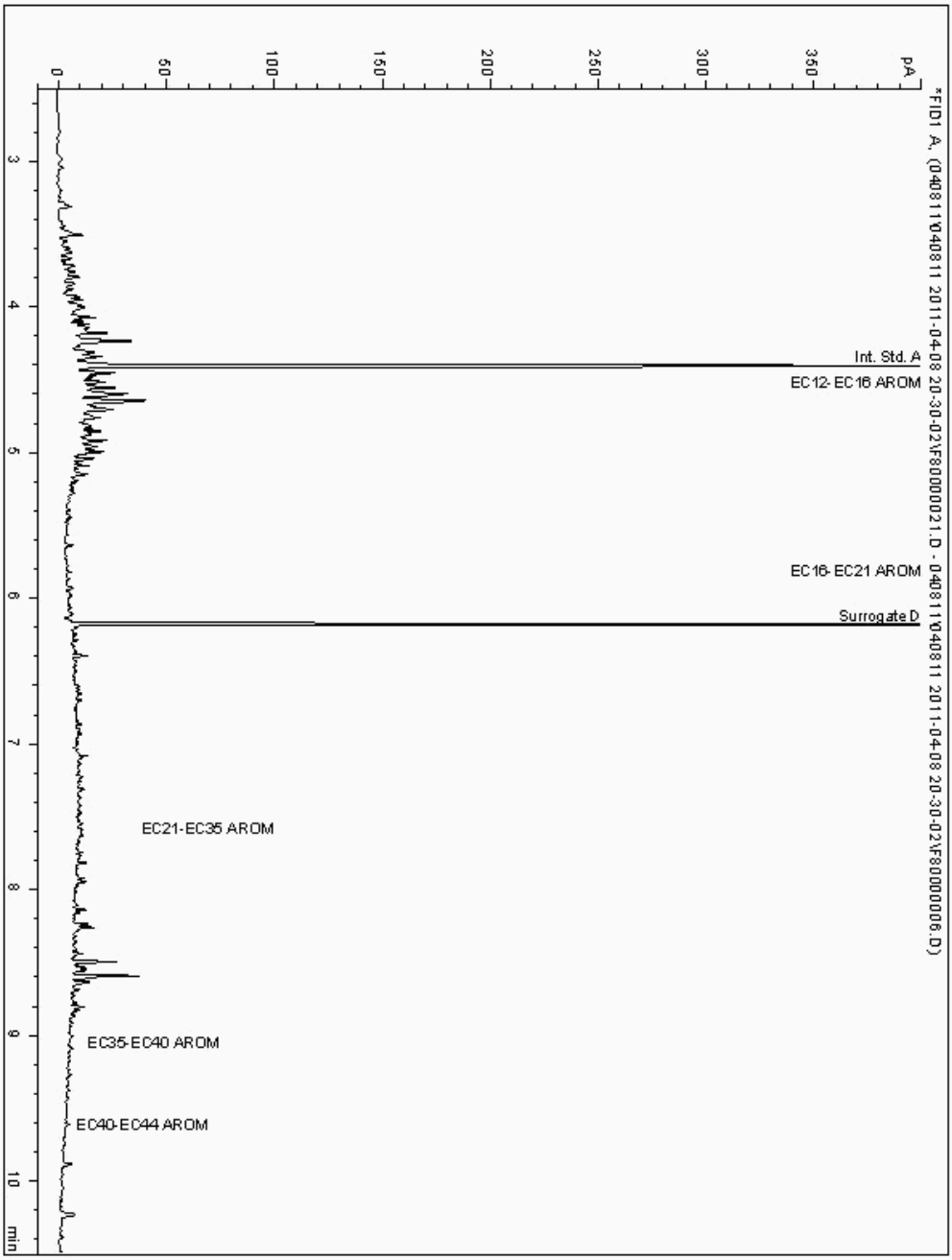
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3239405 **Depth :** 1.30
Sample ID : CATP035

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

Sample Identity: 3271477-3239405
Date Acquired : 08/04/11 16:45:56
Units : ppb
Dilution :
CF : 1
Multiplier : 5.140



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

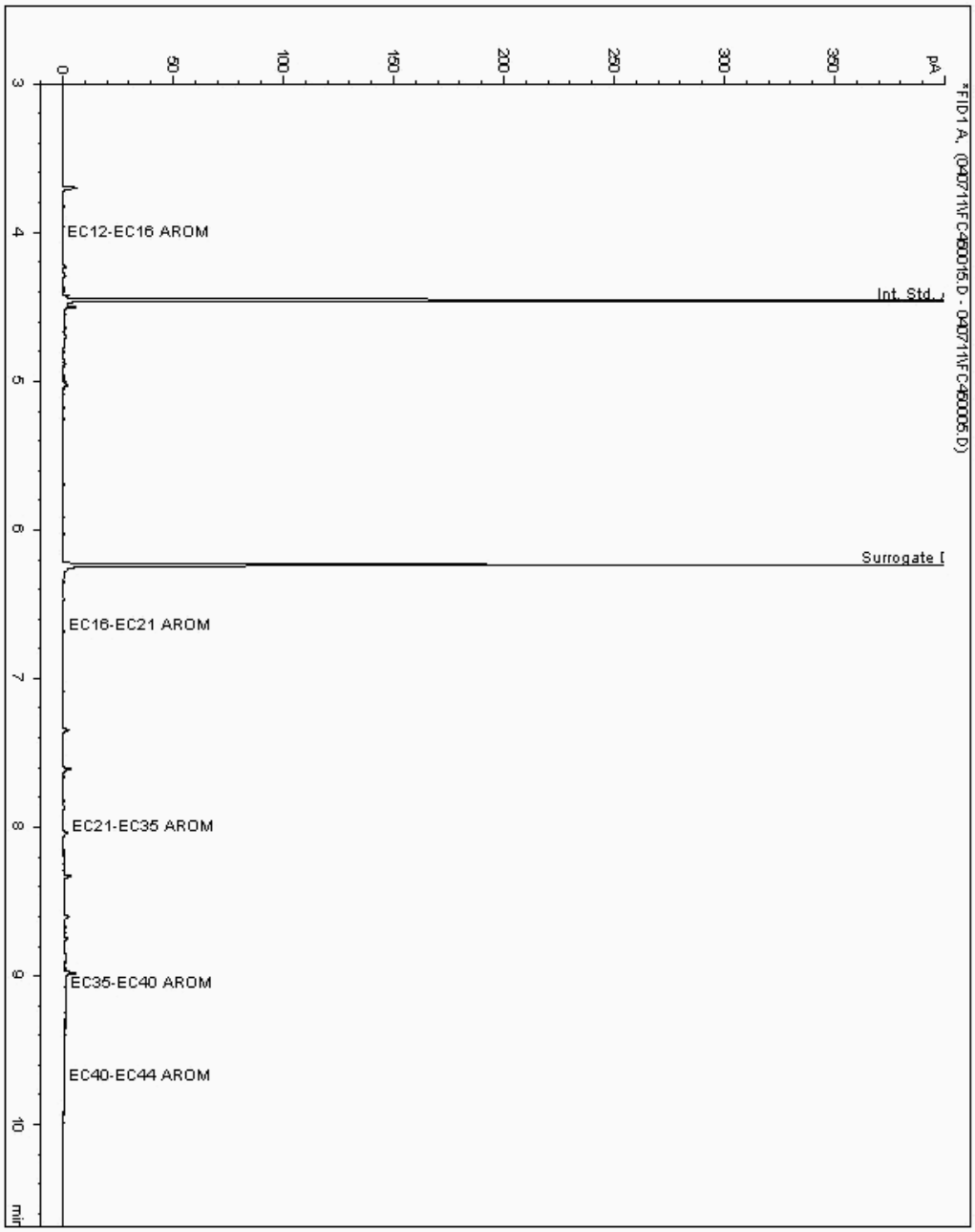
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3239453
Sample ID : CATP067

Depth : 0.90

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

Sample Identity: 3271398-3239453
Date Acquired : 08/04/11 02:06:18 PM
Units : ppb
Dilution:



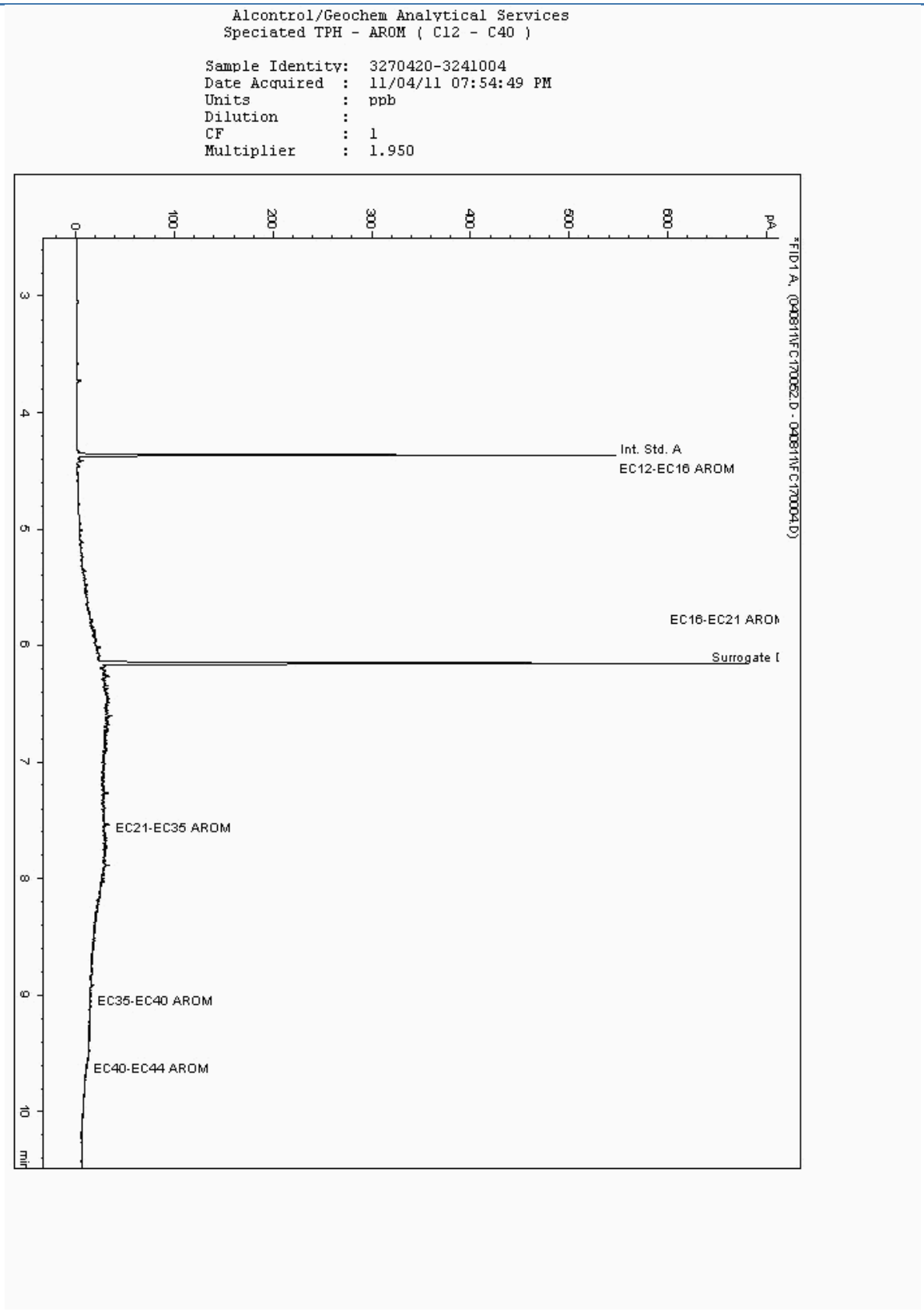
CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3241004 **Depth :** 0.30

Sample ID : CATP027



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

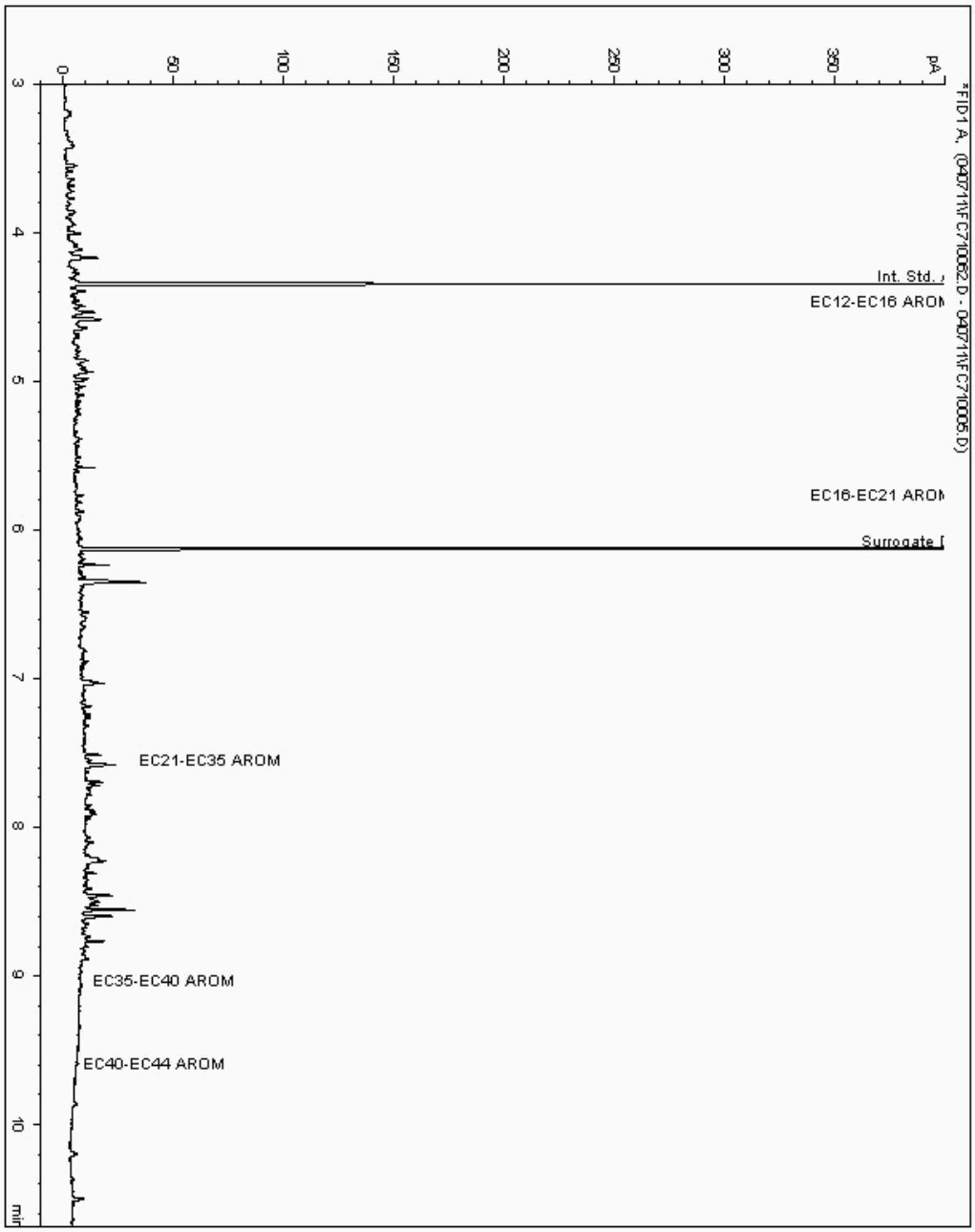
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3241052 **Depth :** 0.40

Sample ID : CATP029

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

Sample Identity: 3270499-3241052
Date Acquired : 08/04/2011 07:31:16 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

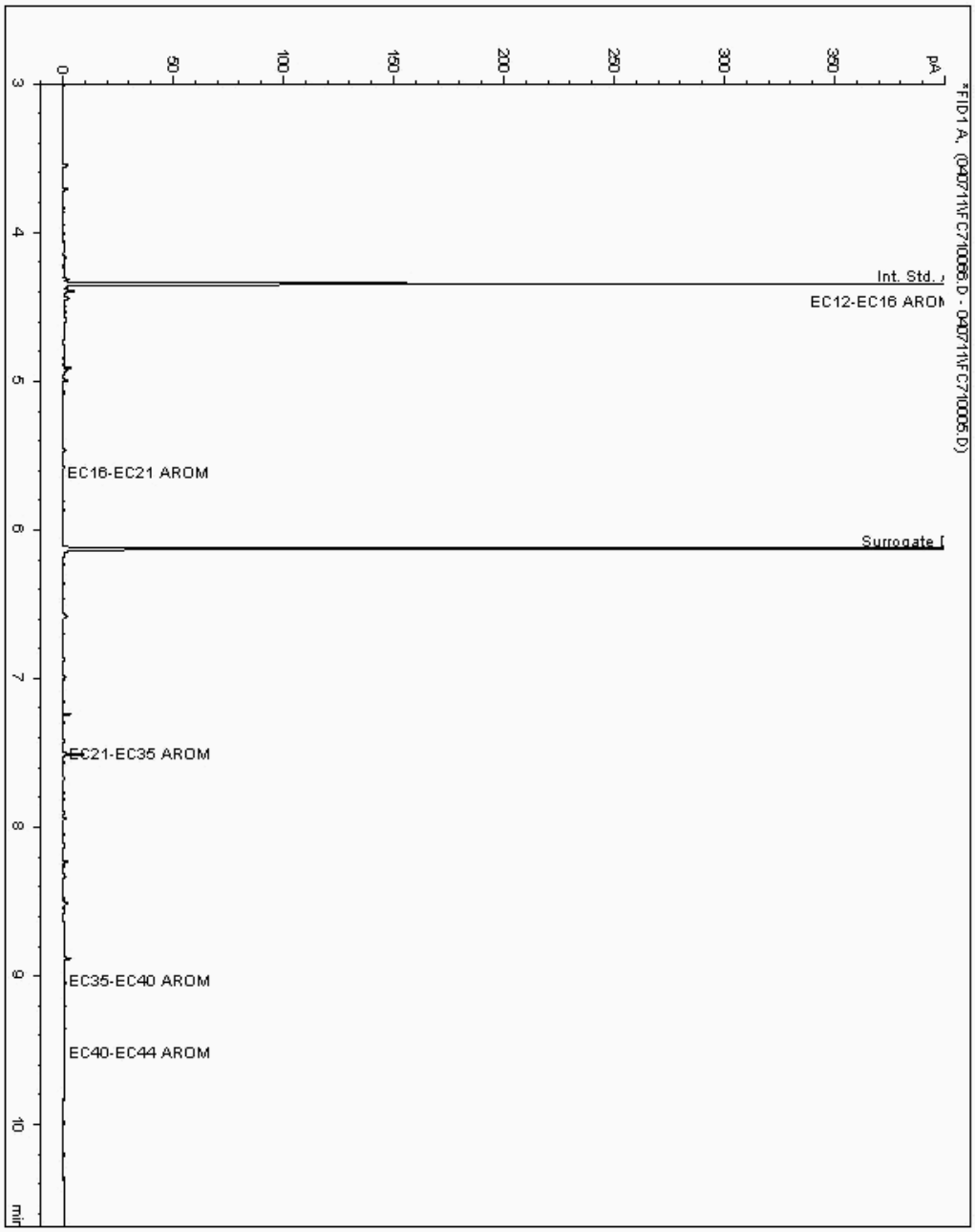
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3242085
Sample ID : CATP066

Depth : 0.80

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

Sample Identity: 3271364-3242085
Date Acquired : 08/04/2011 08:30:04 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

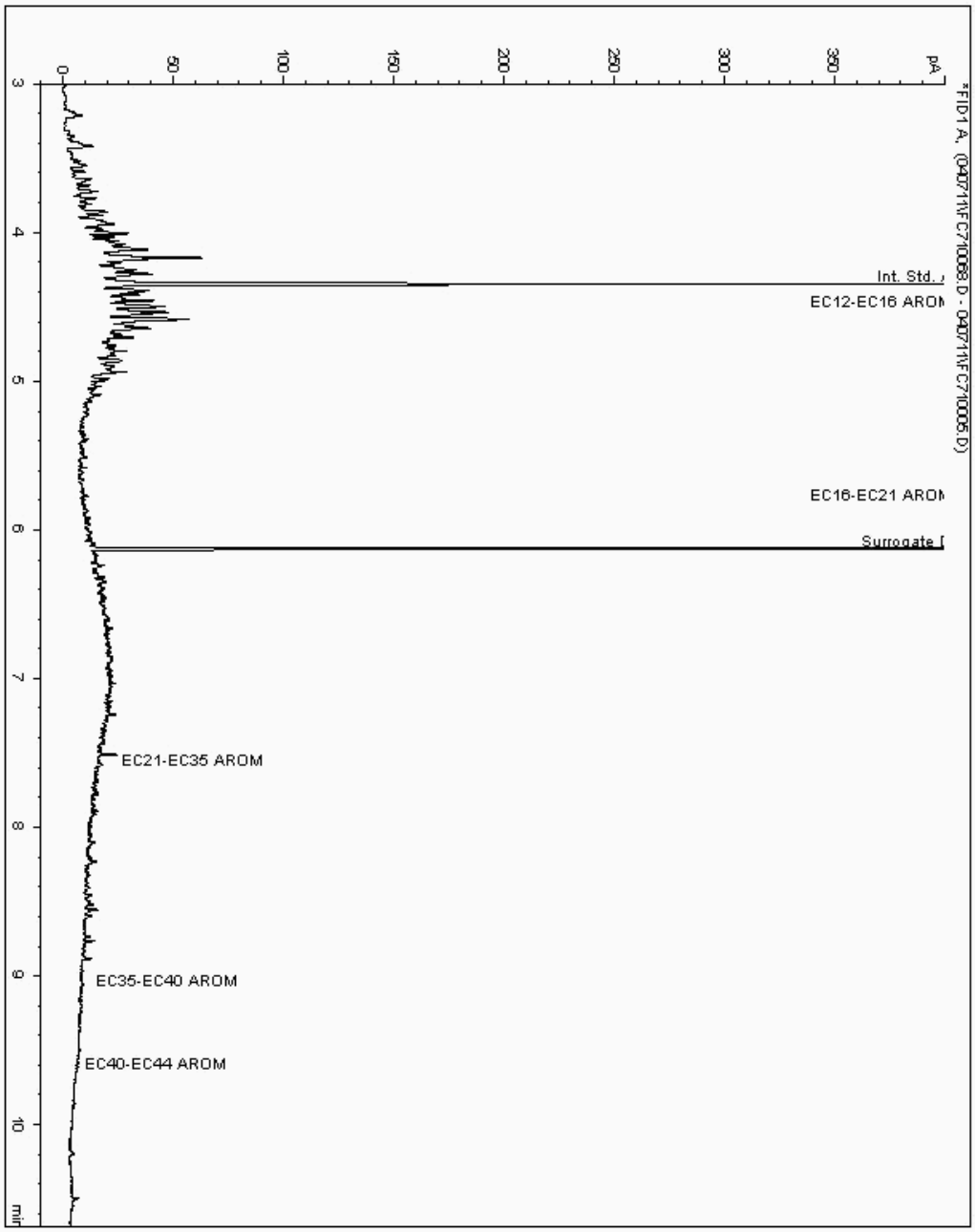
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3242094
Sample ID : CATP035

Depth : 0.50

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

Sample Identity: 3271462-3242094
Date Acquired : 08/04/2011 09:08:53 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

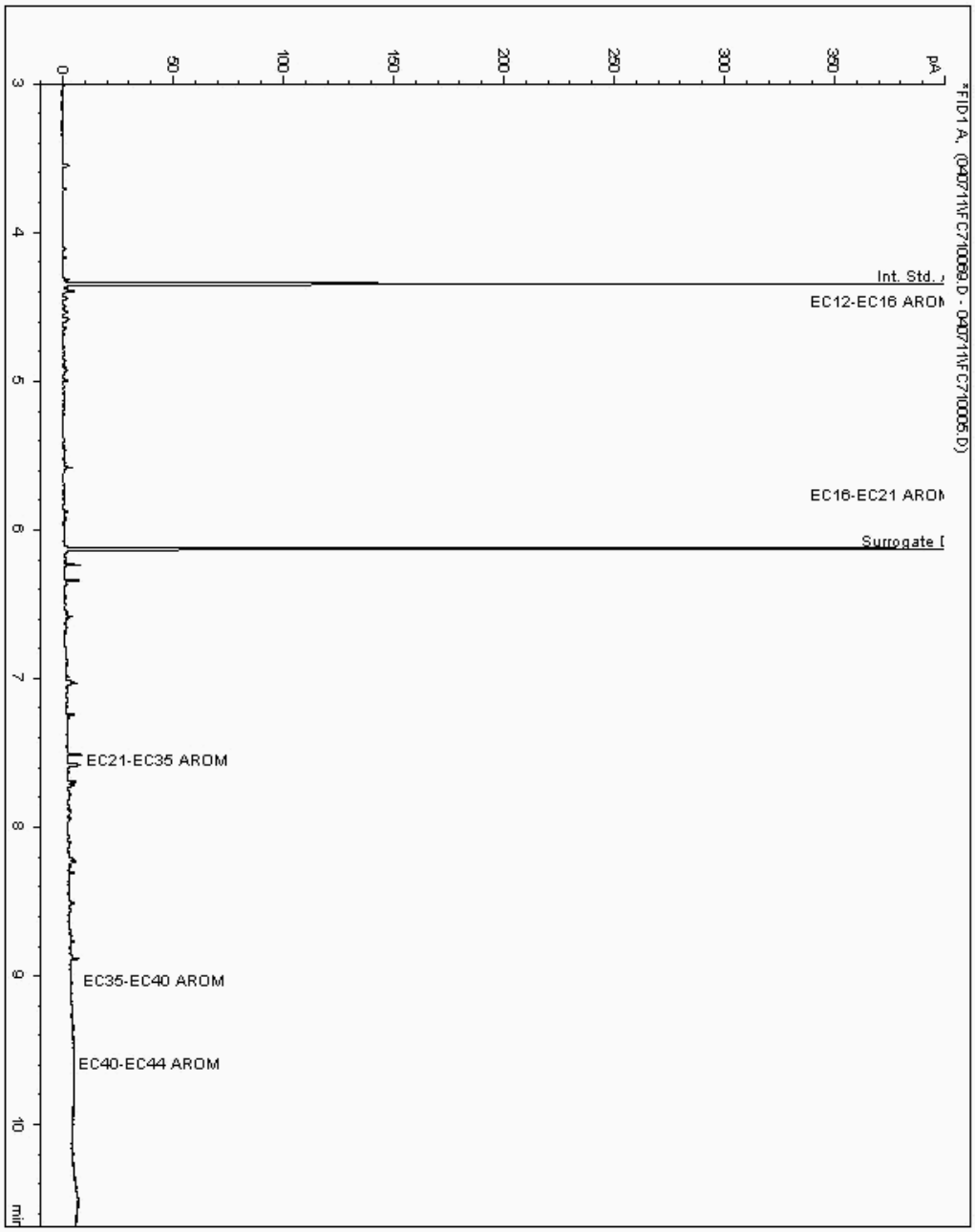
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3242118
Sample ID : CATP056

Depth : 0.20

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

Sample Identity: 3271952-3242118
Date Acquired : 08/04/2011 09:28:16 PM
Units : ppb
Dilution:

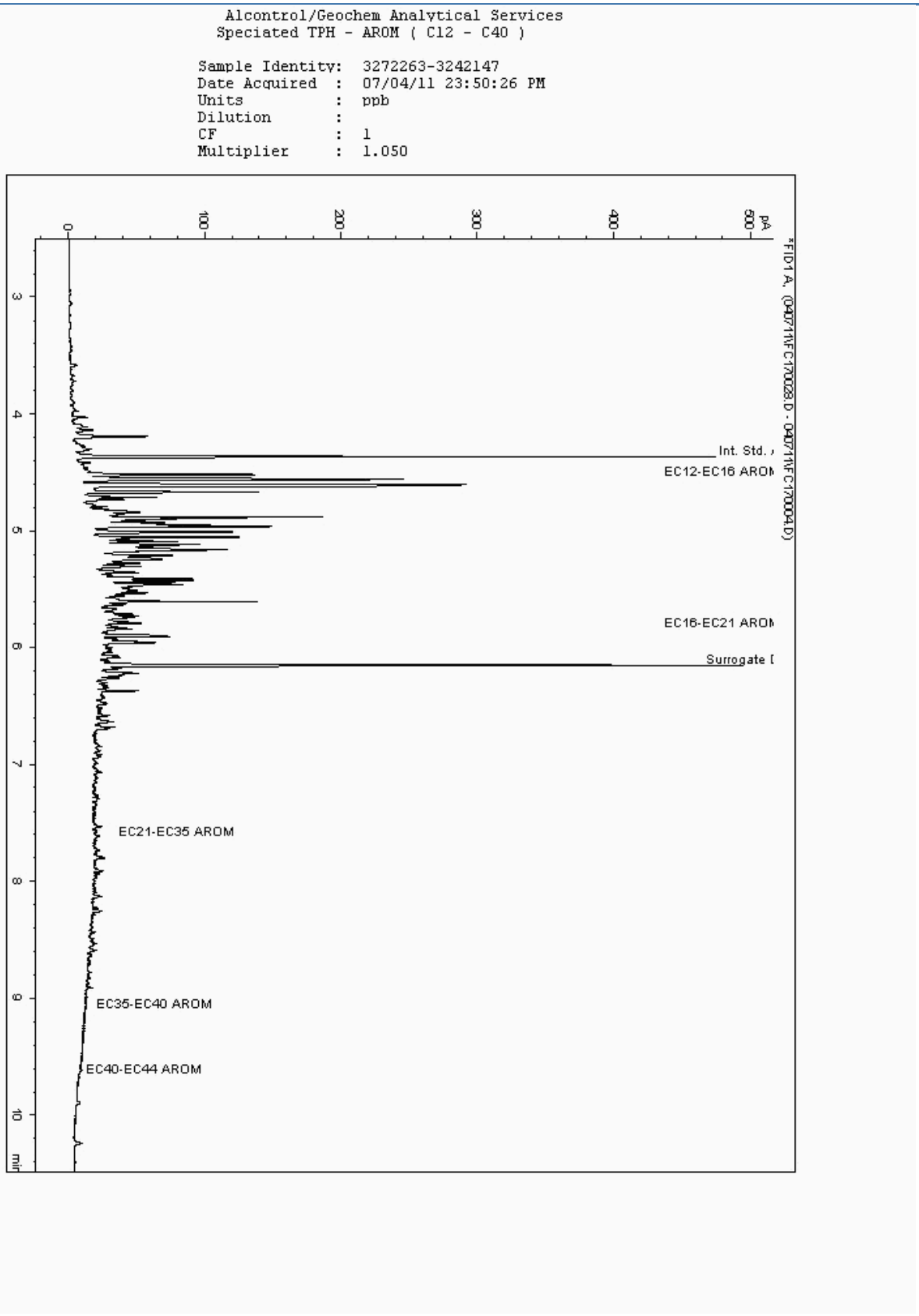


CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242147 **Depth :** 1.30
Sample ID : CATP063



CERTIFICATE OF ANALYSIS

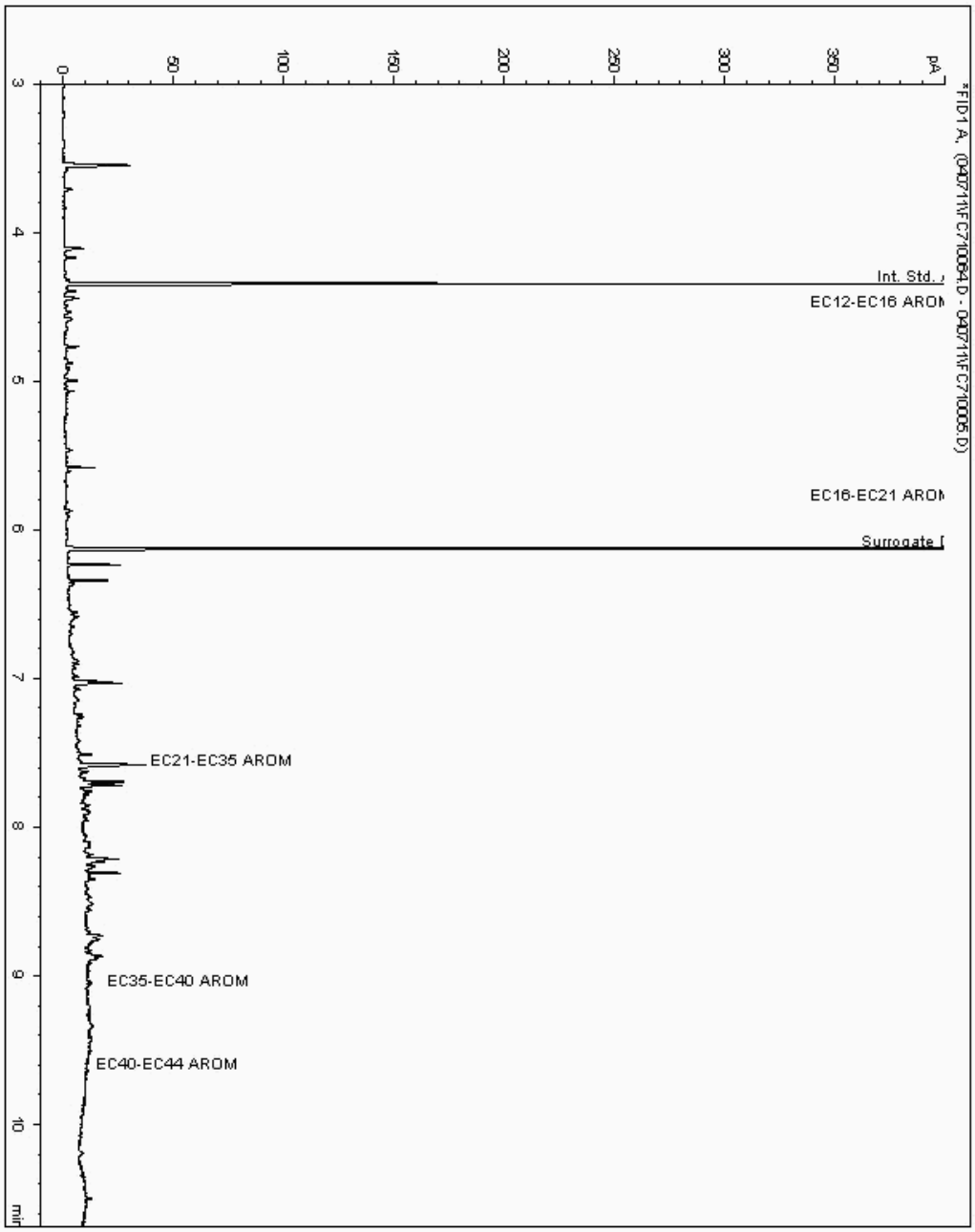
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242179 **Depth :** 0.50
Sample ID : CATP063

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

Sample Identity: 3272207-3242179
Date Acquired : 08/04/2011 08:00:40 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

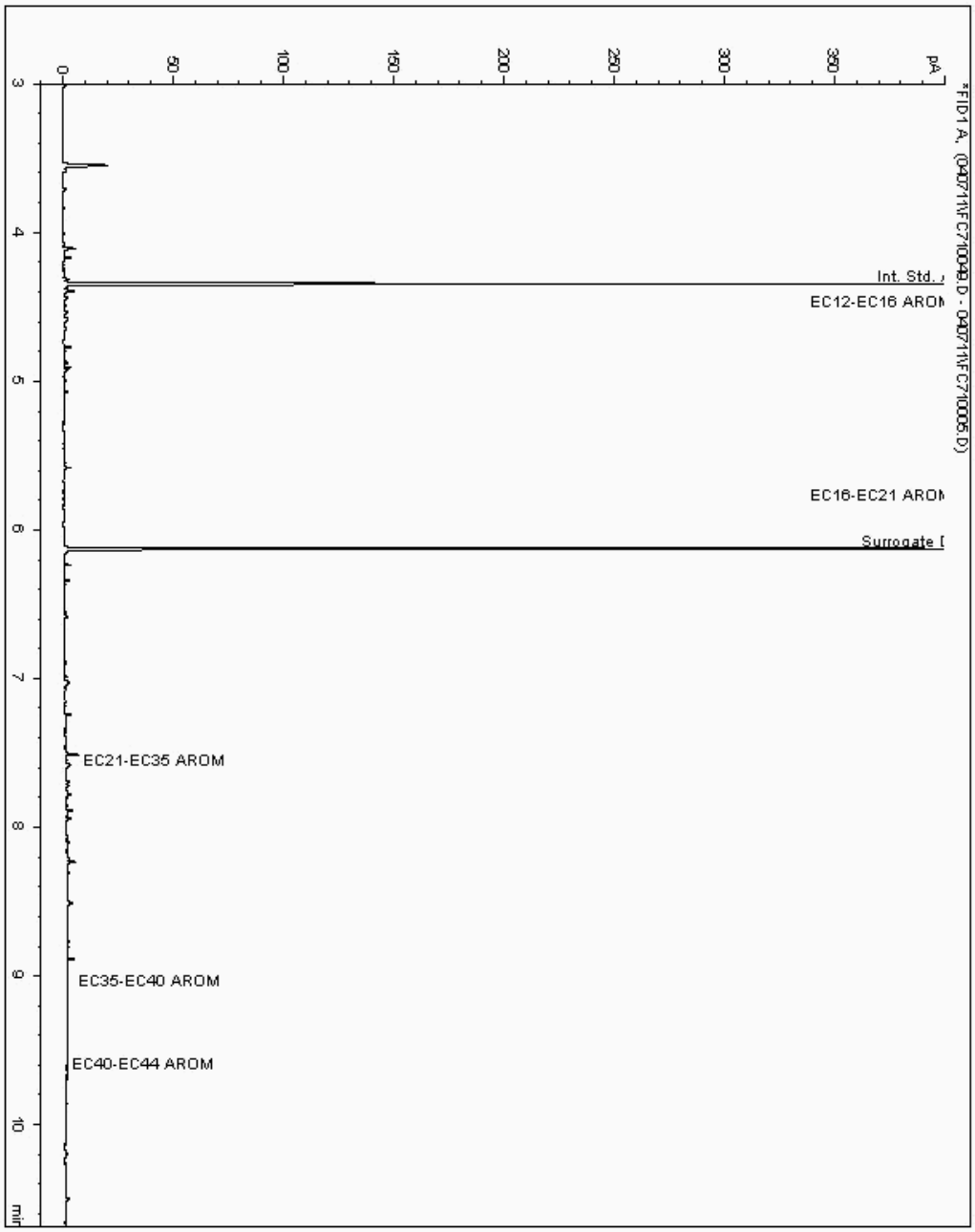
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242207 **Depth :** 0.30
Sample ID : CATP050

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

Sample Identity: 3270929-3242207
Date Acquired : 08/04/2011 03:37:12 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

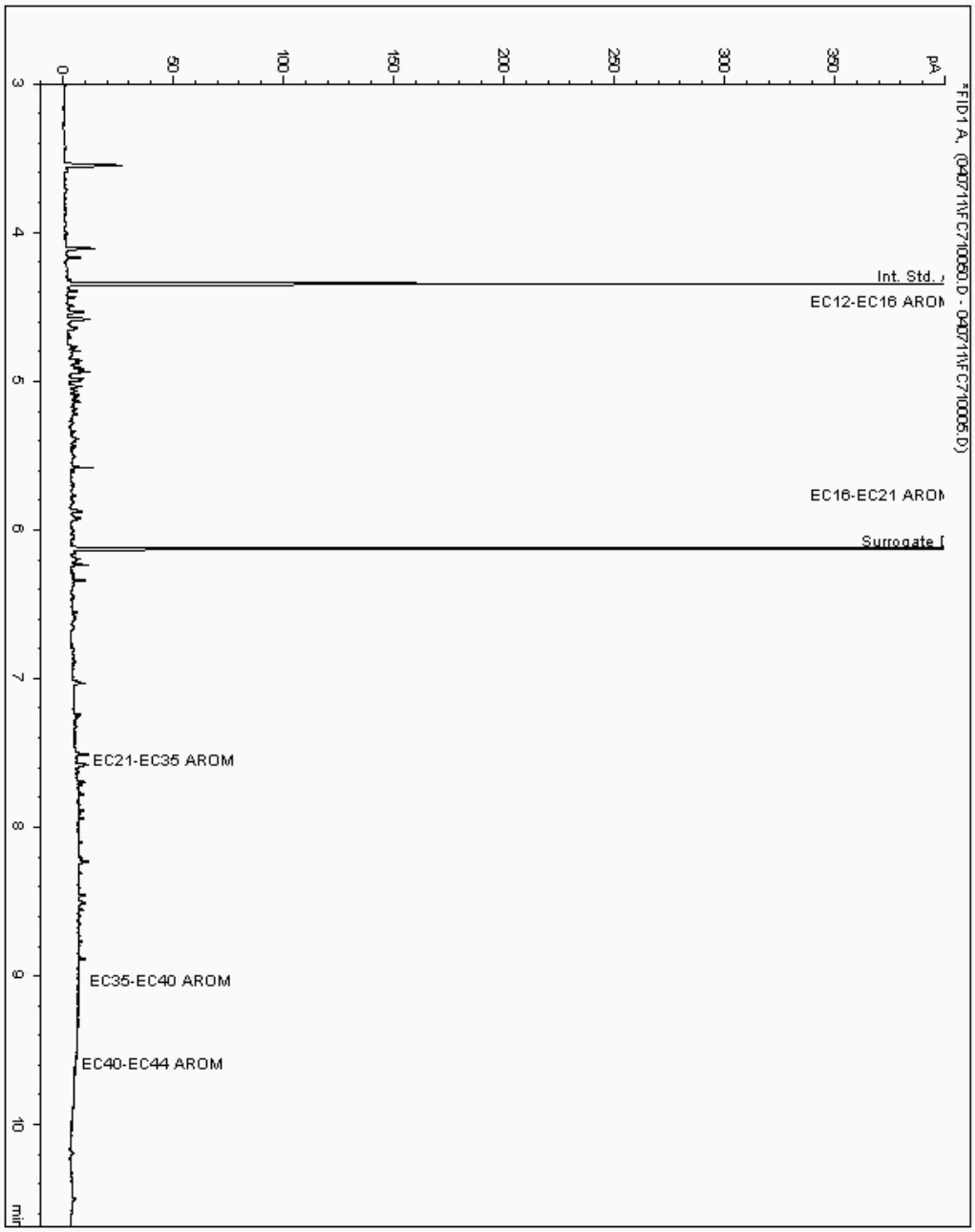
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242232 **Depth :** 0.20
Sample ID : CATP051

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

Sample Identity: 3270948-3242232
Date Acquired : 08/04/2011 03:56:38 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

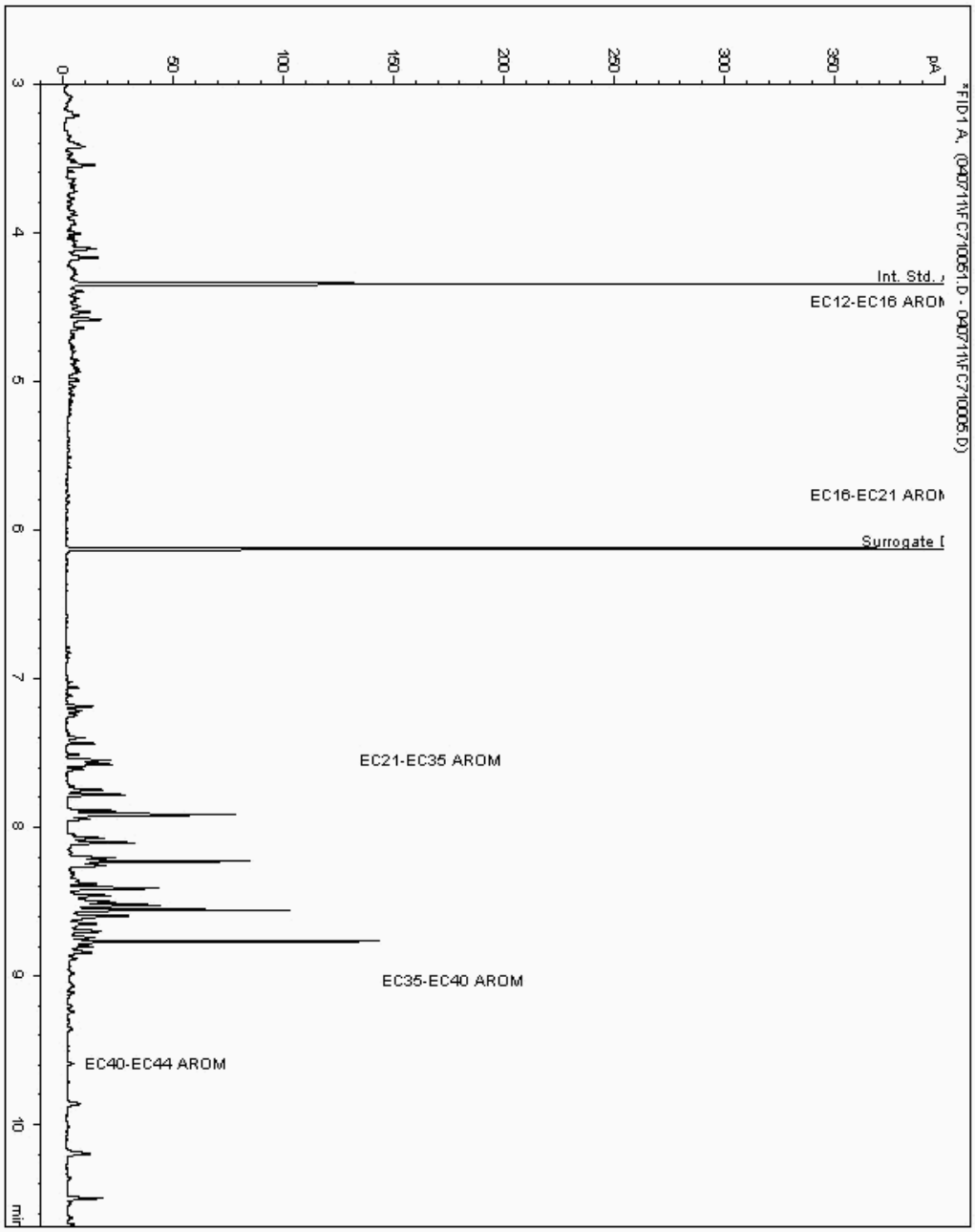
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242253 **Depth :** 0.80
Sample ID : CATP029

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

Sample Identity: 3270522-3242253
Date Acquired : 08/04/2011 04:16:05 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

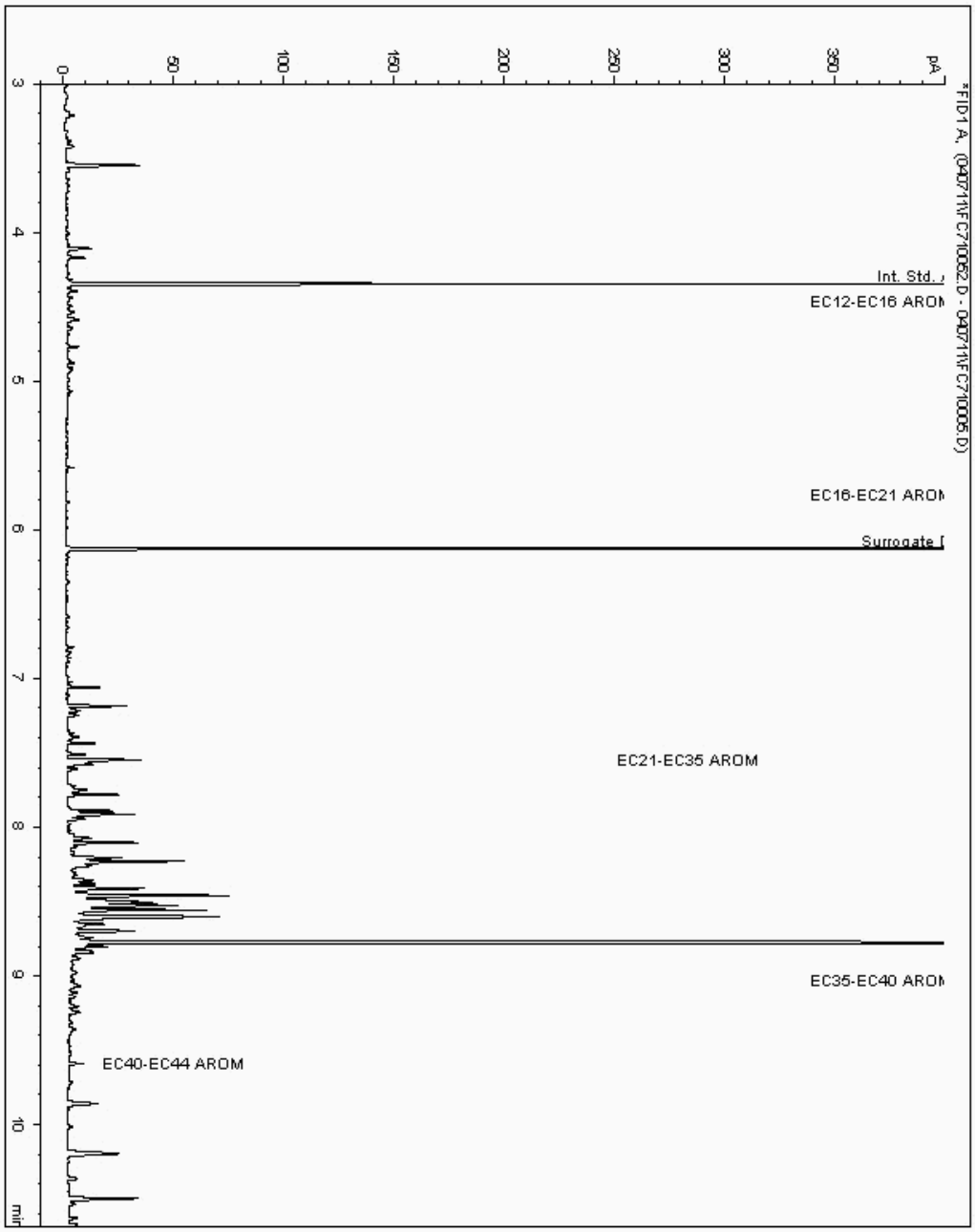
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242267 **Depth :** 0.70

Sample ID : CATP028

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

Sample Identity: 3270478-3242267
Date Acquired : 08/04/2011 04:35:31 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

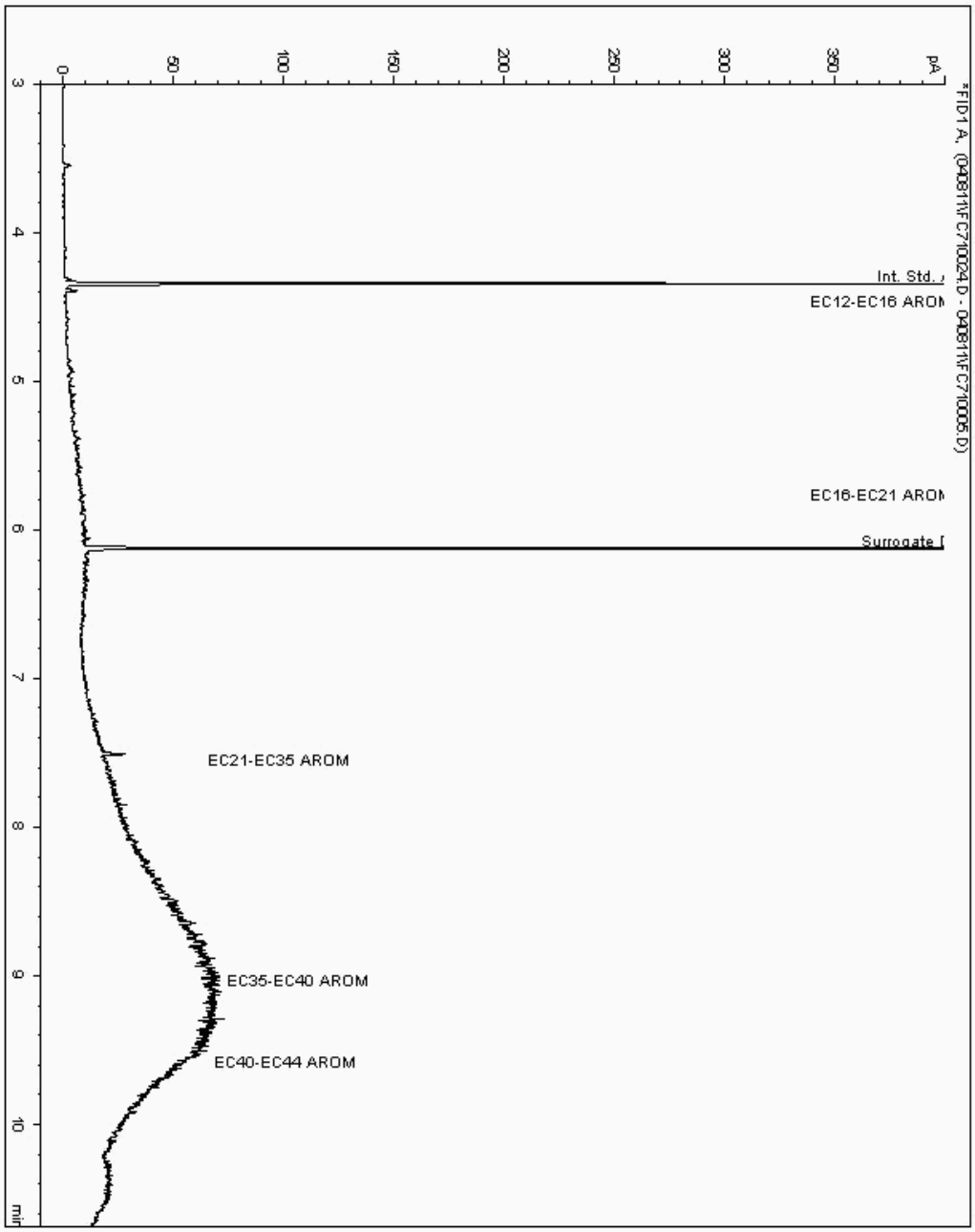
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3242283
Sample ID : CATP051

Depth : 0.60

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

Sample Identity: 3270984-3242283
Date Acquired : 09/04/2011 03:55:06 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

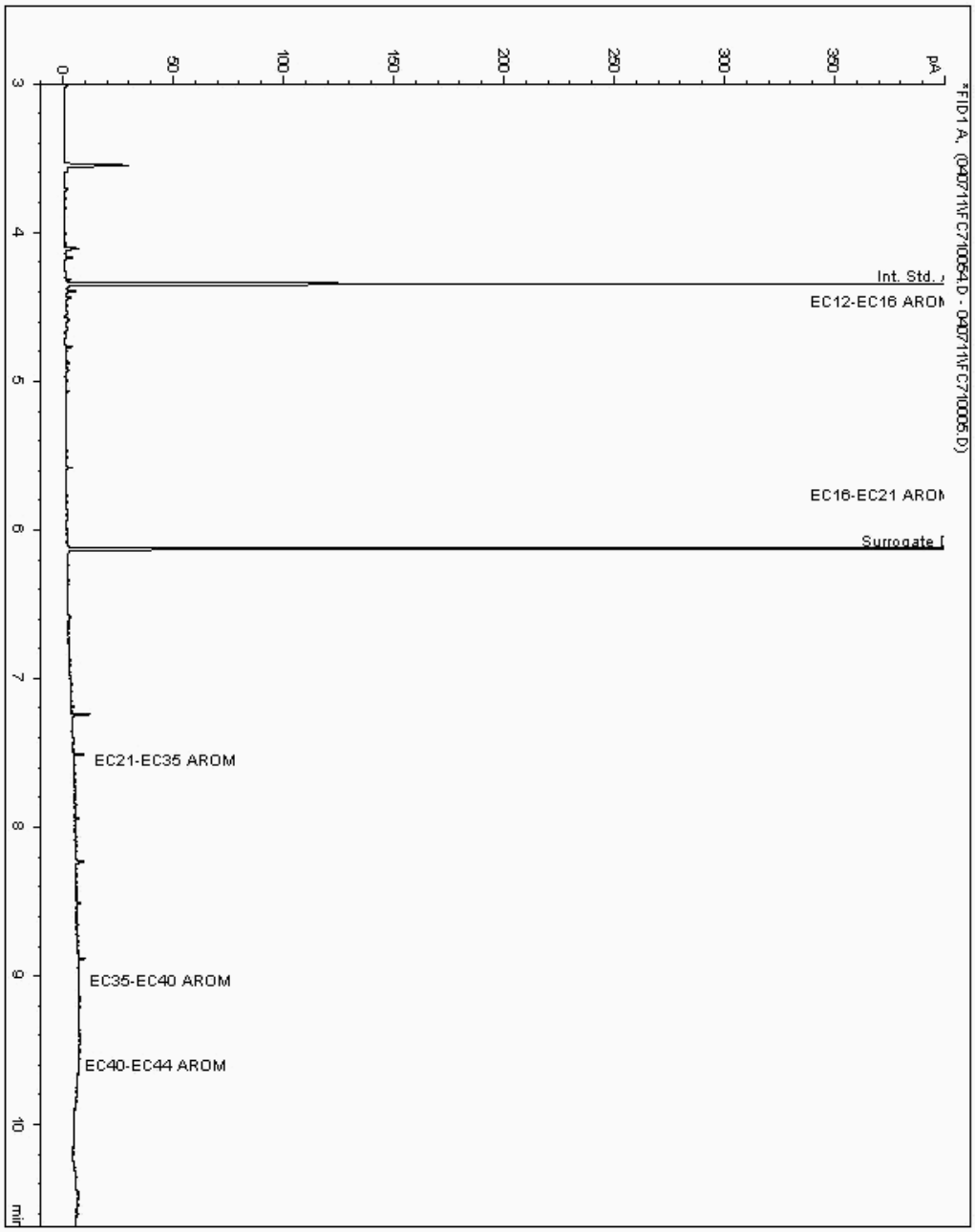
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242296 **Depth :** 0.40

Sample ID : CATP065

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

Sample Identity: 3271325-3242296
Date Acquired : 08/04/2011 05:14:33 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

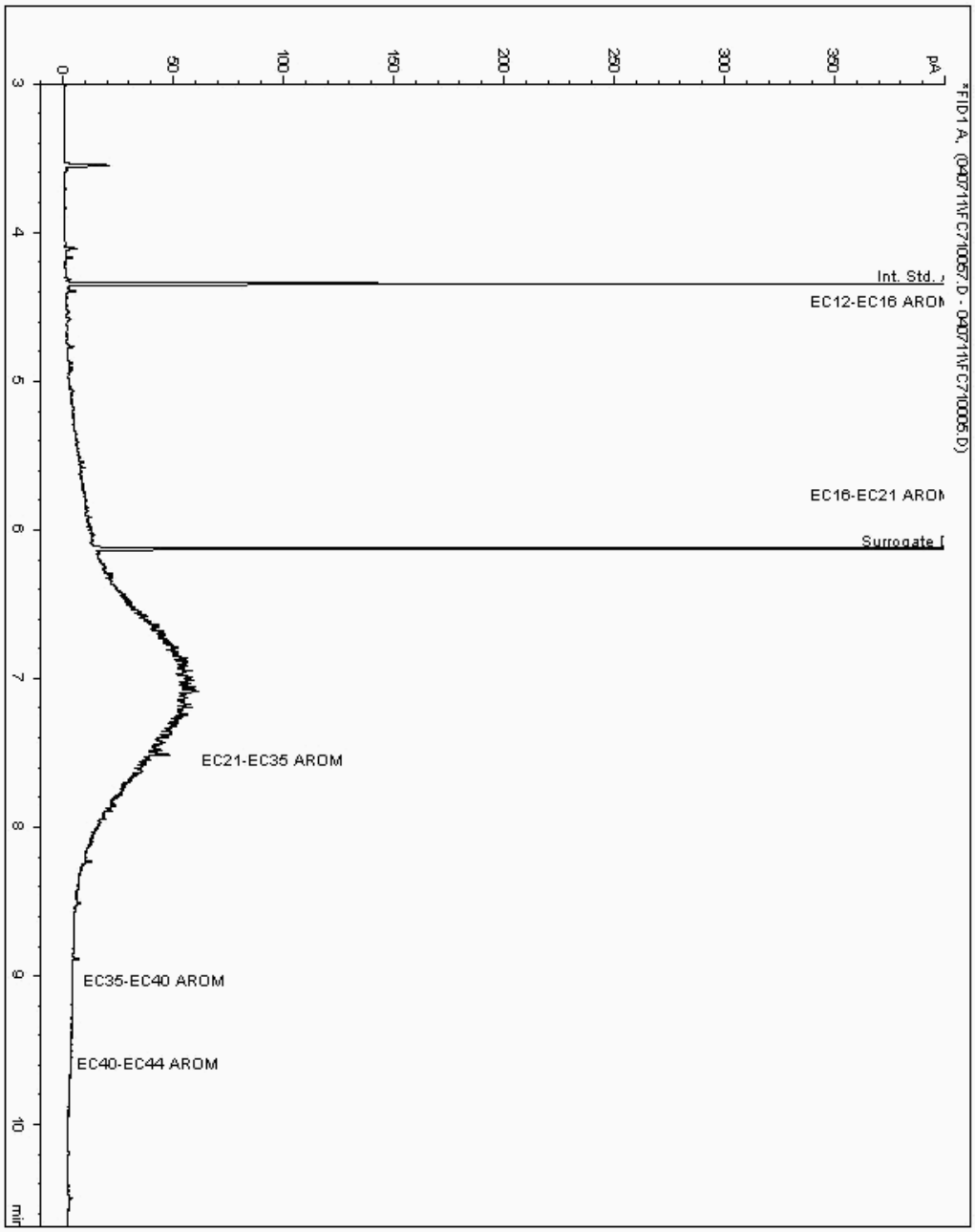
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242305 **Depth :** 0.30
Sample ID : CATP052

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

Sample Identity: 3271020-3242305
Date Acquired : 08/04/2011 06:03:17 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

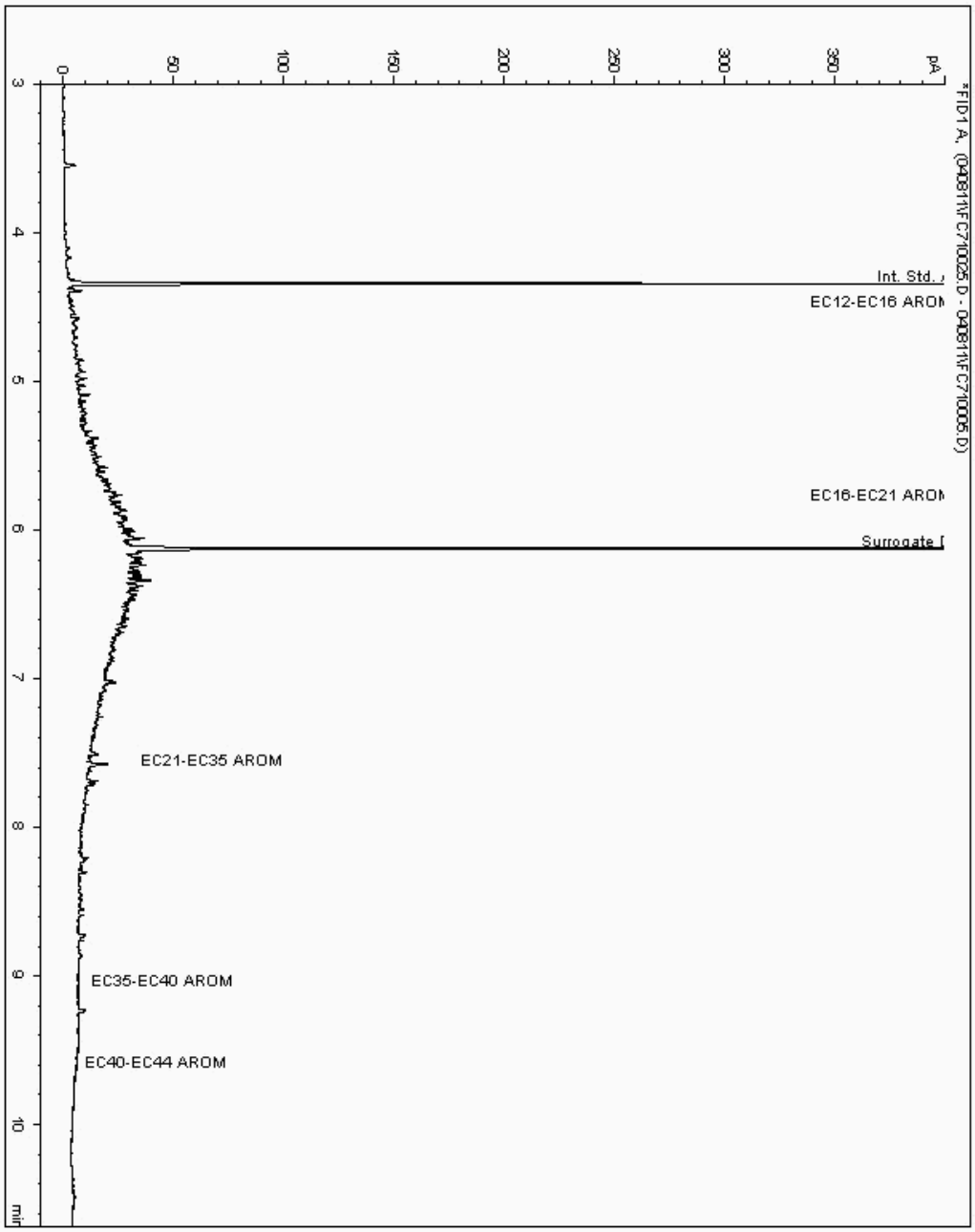
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242333 **Depth :** 0.50
Sample ID : CATP062

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

Sample Identity: 3272053-3242333
Date Acquired : 09/04/2011 04:14:50 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

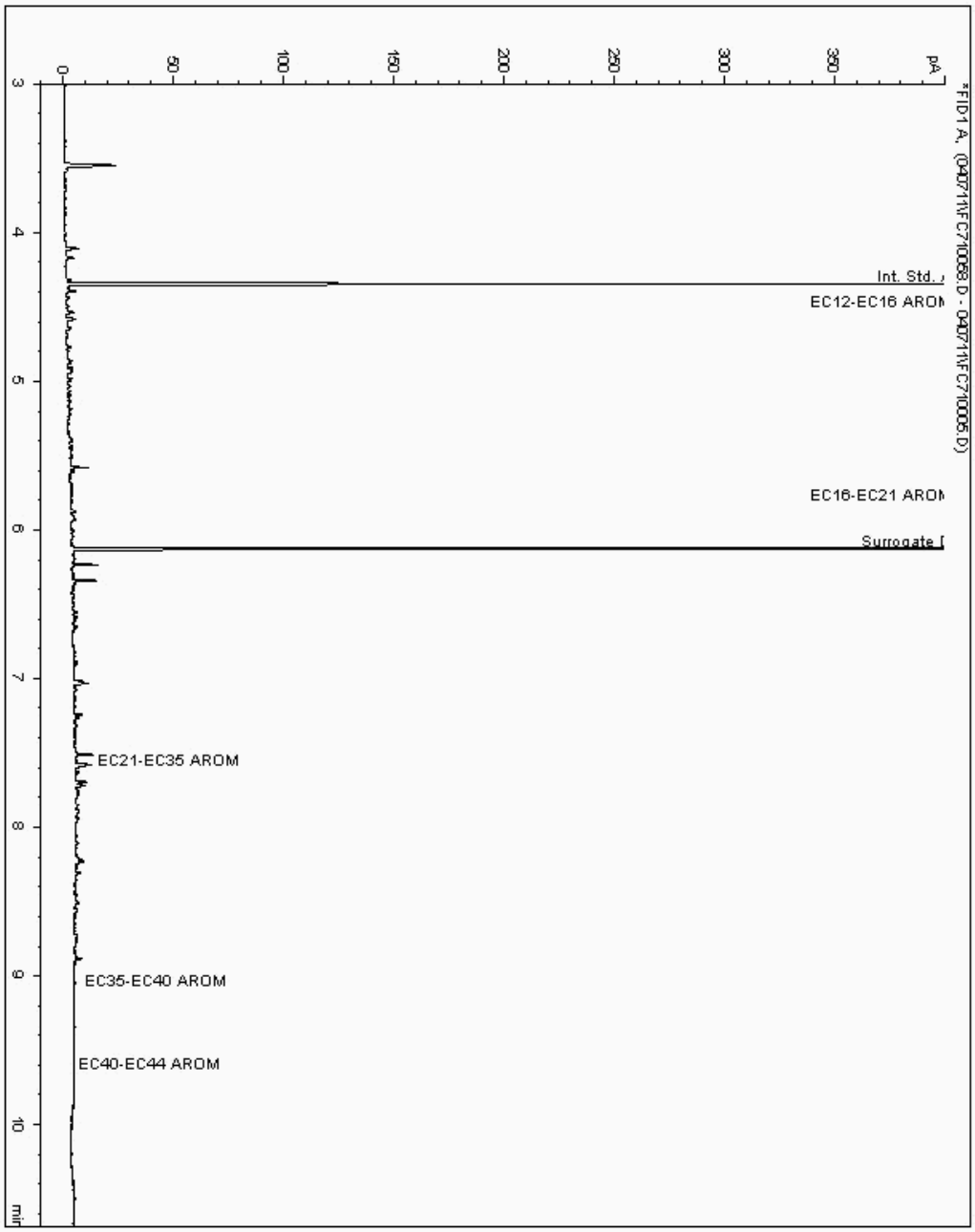
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242363 **Depth :** 1.00
Sample ID : CATP055

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

Sample Identity: 3271847-3242363
Date Acquired : 08/04/2011 06:22:55 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

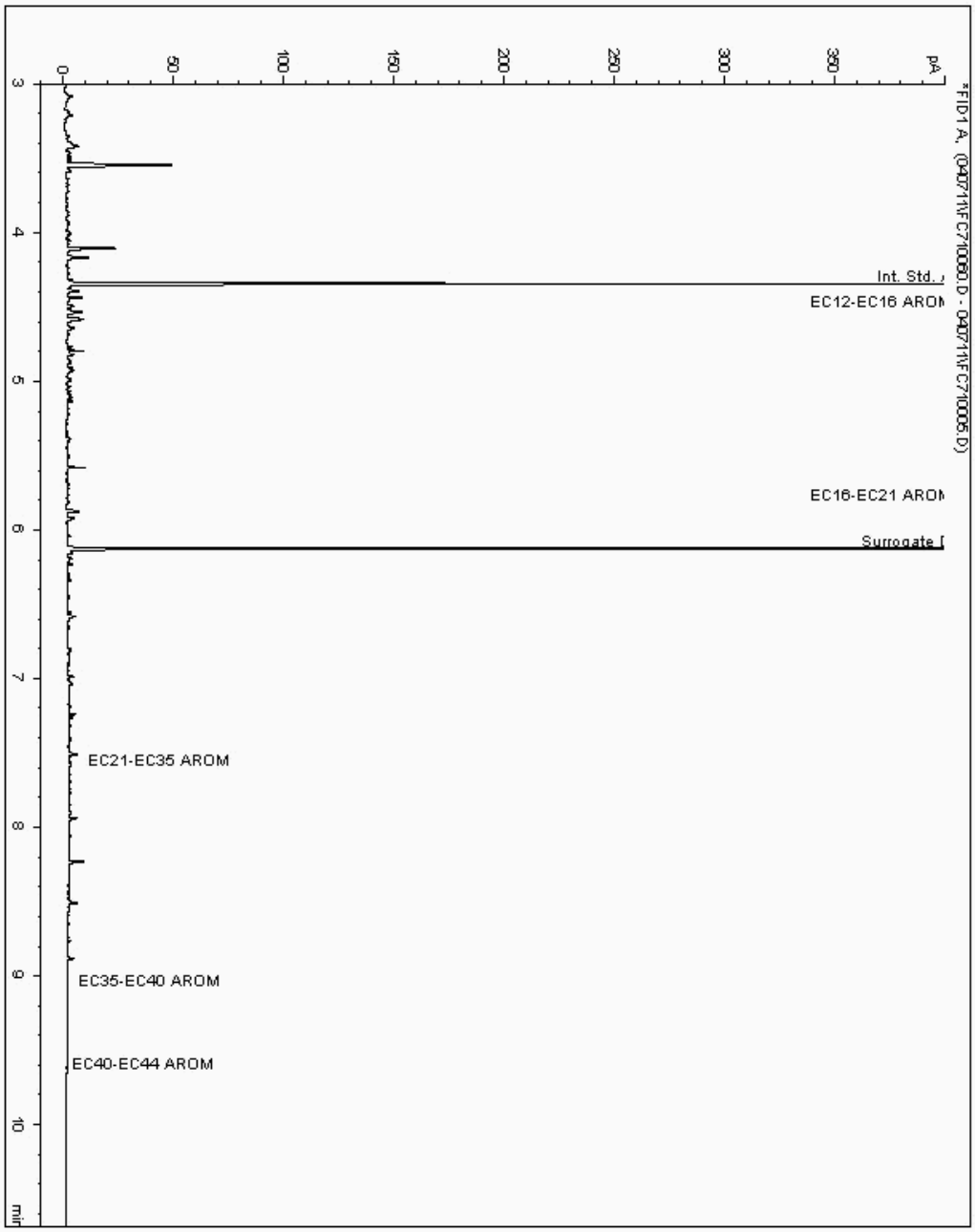
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3242405 **Depth :** 0.90

Sample ID : CATP046

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

Sample Identity: 3270776-3242405
Date Acquired : 08/04/2011 06:52:18 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

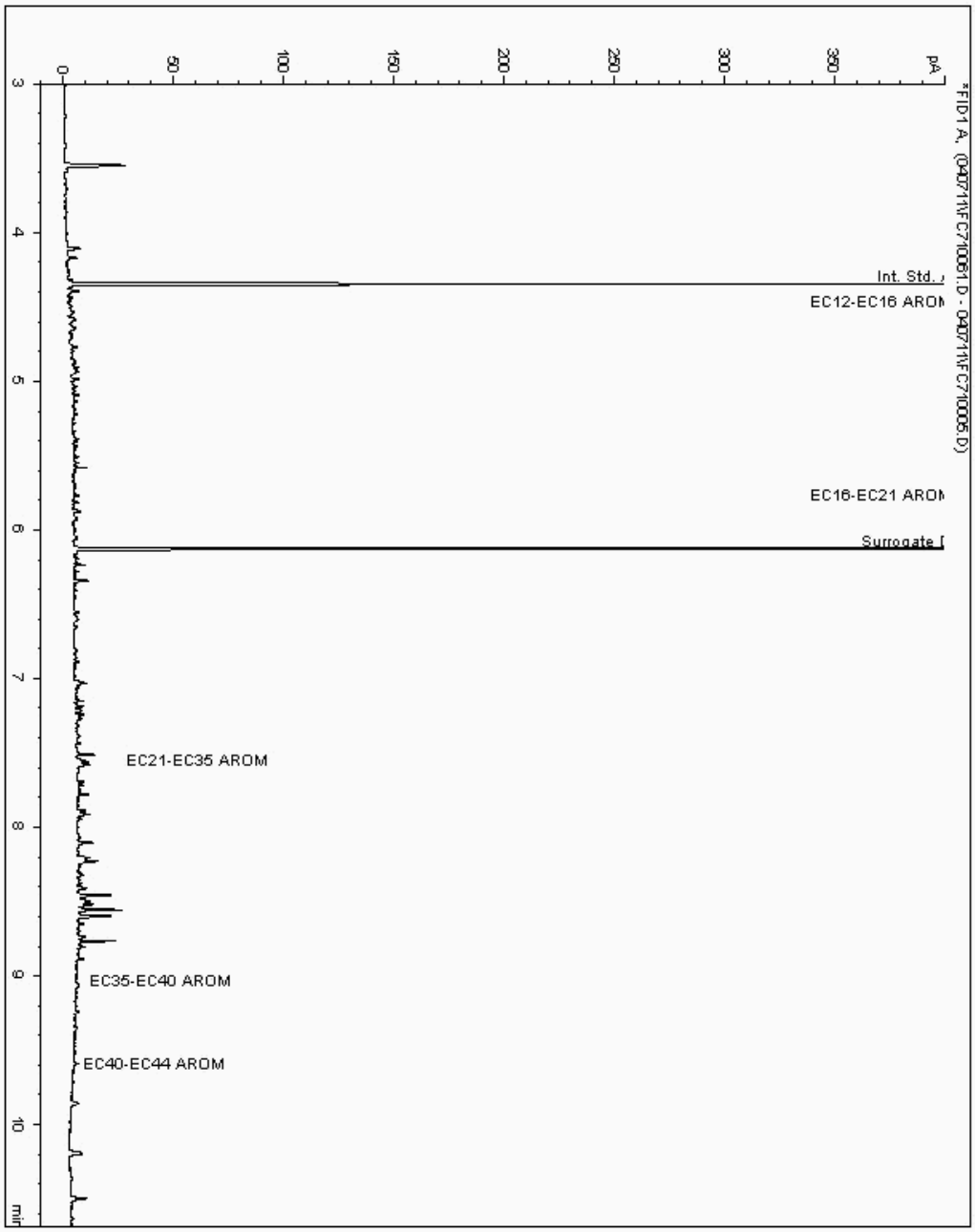
Analysis: EPH CWG (Aromatic) GC (S)

Sample No : 3242447
Sample ID : CATP043

Depth : 0.80

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

Sample Identity: 3270755-3242447
Date Acquired : 08/04/2011 07:11:42 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

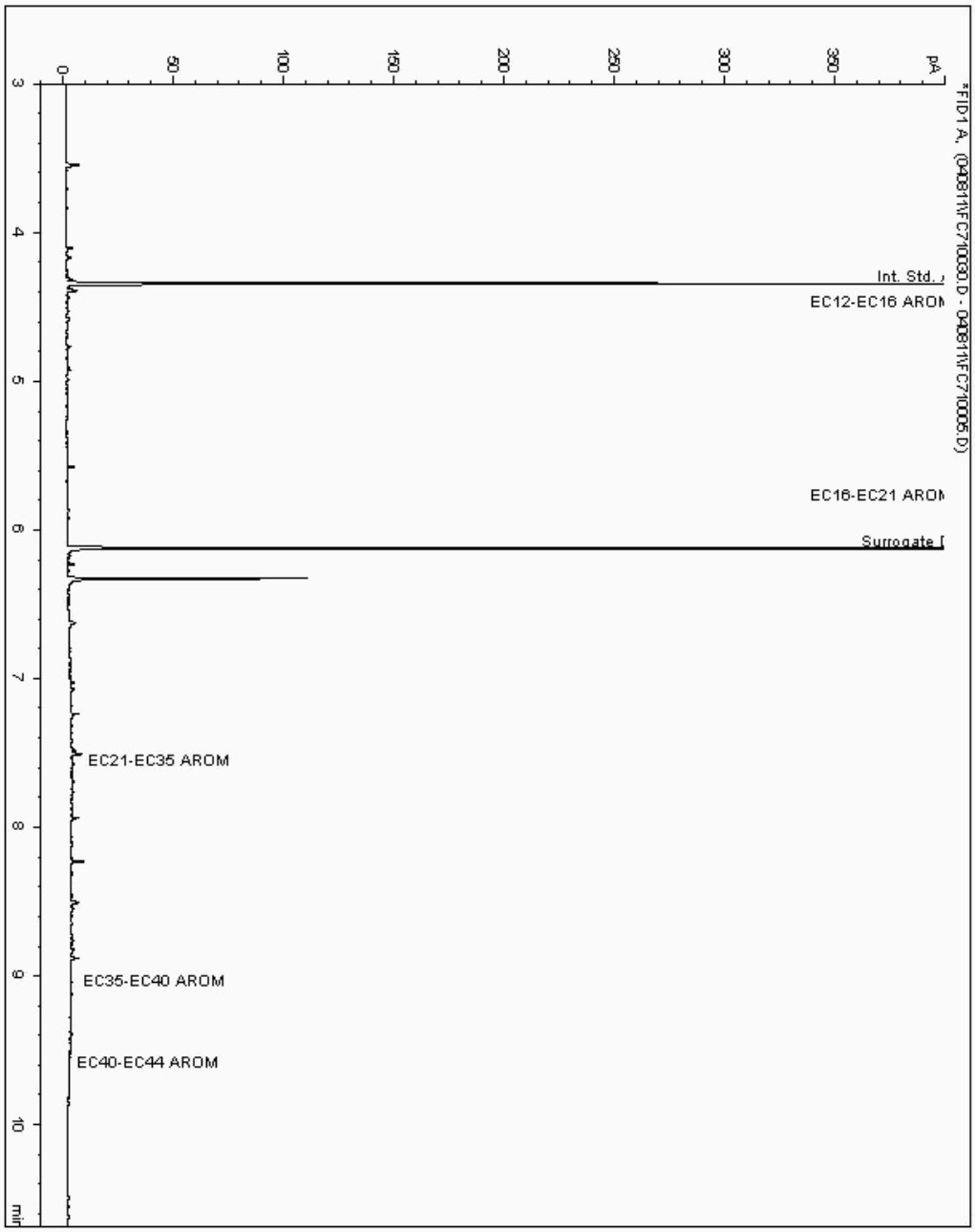
Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3251182 **Depth :** 0.50

Sample ID : CATP034

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

Sample Identity: 3297157-3251182
Date Acquired : 09/04/2011 05:42:50 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

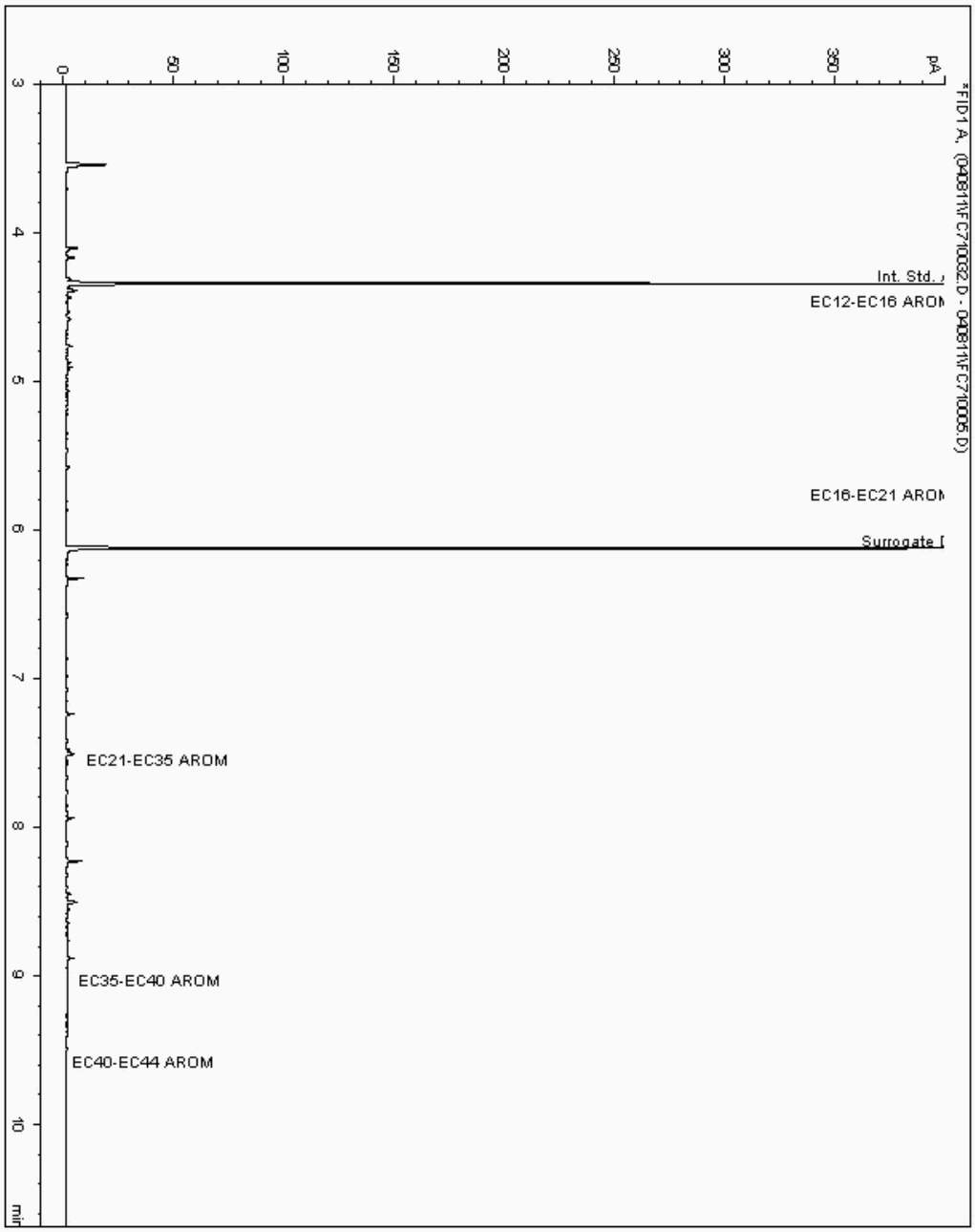
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: EPH CWG (Aromatic) GC (S) **Sample No :** 3251192 **Depth :** 1.50
Sample ID : CATP029

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

Sample Identity: 3297154-3251192
Date Acquired : 09/04/2011 06:12:15 PM
Units : ppb
Dilution:



CERTIFICATE OF ANALYSIS

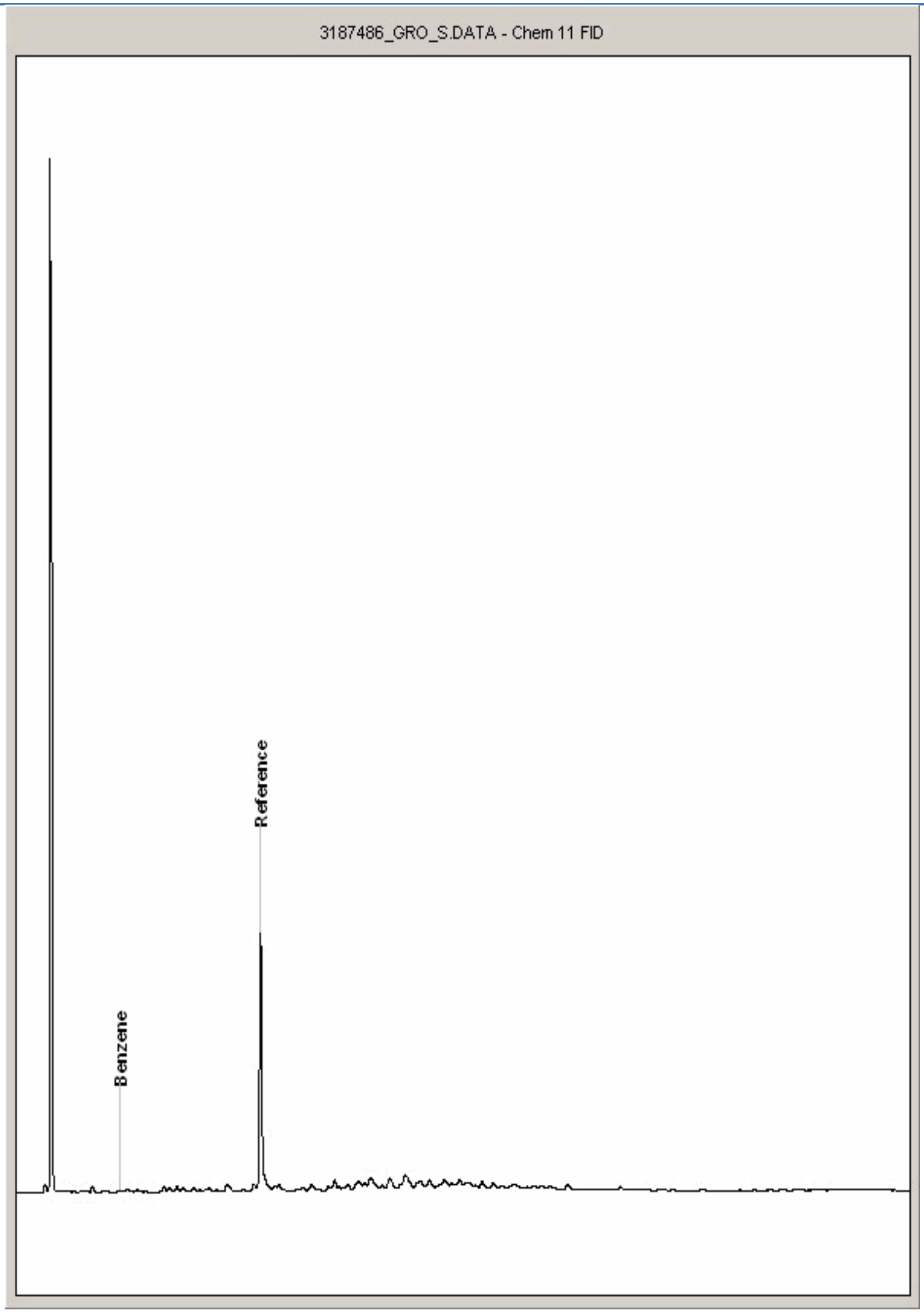
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187486
Sample ID : CATP027

Depth : 0.30



CERTIFICATE OF ANALYSIS

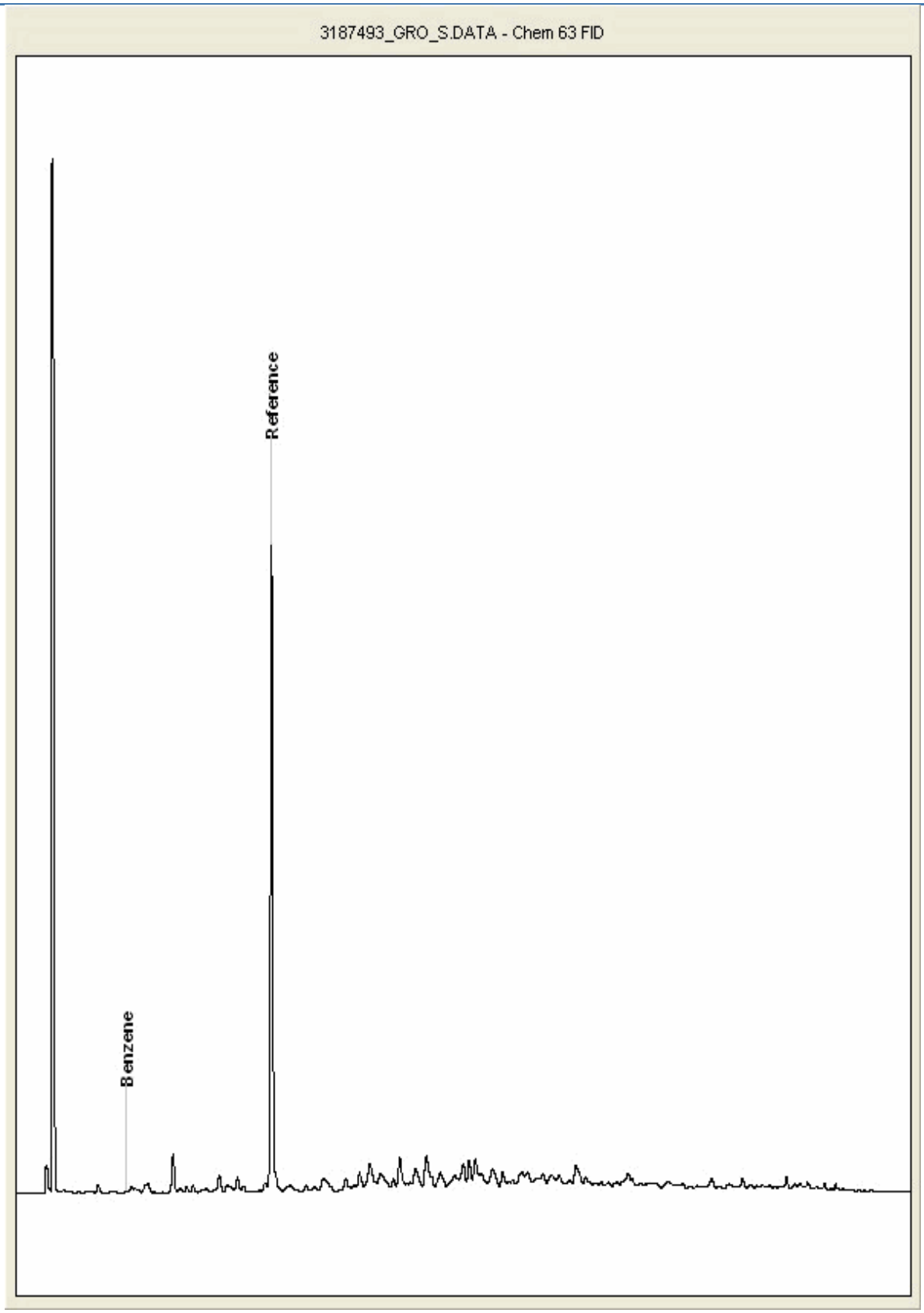
SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187493
Sample ID : CATP027

Depth : 1.00



CERTIFICATE OF ANALYSIS

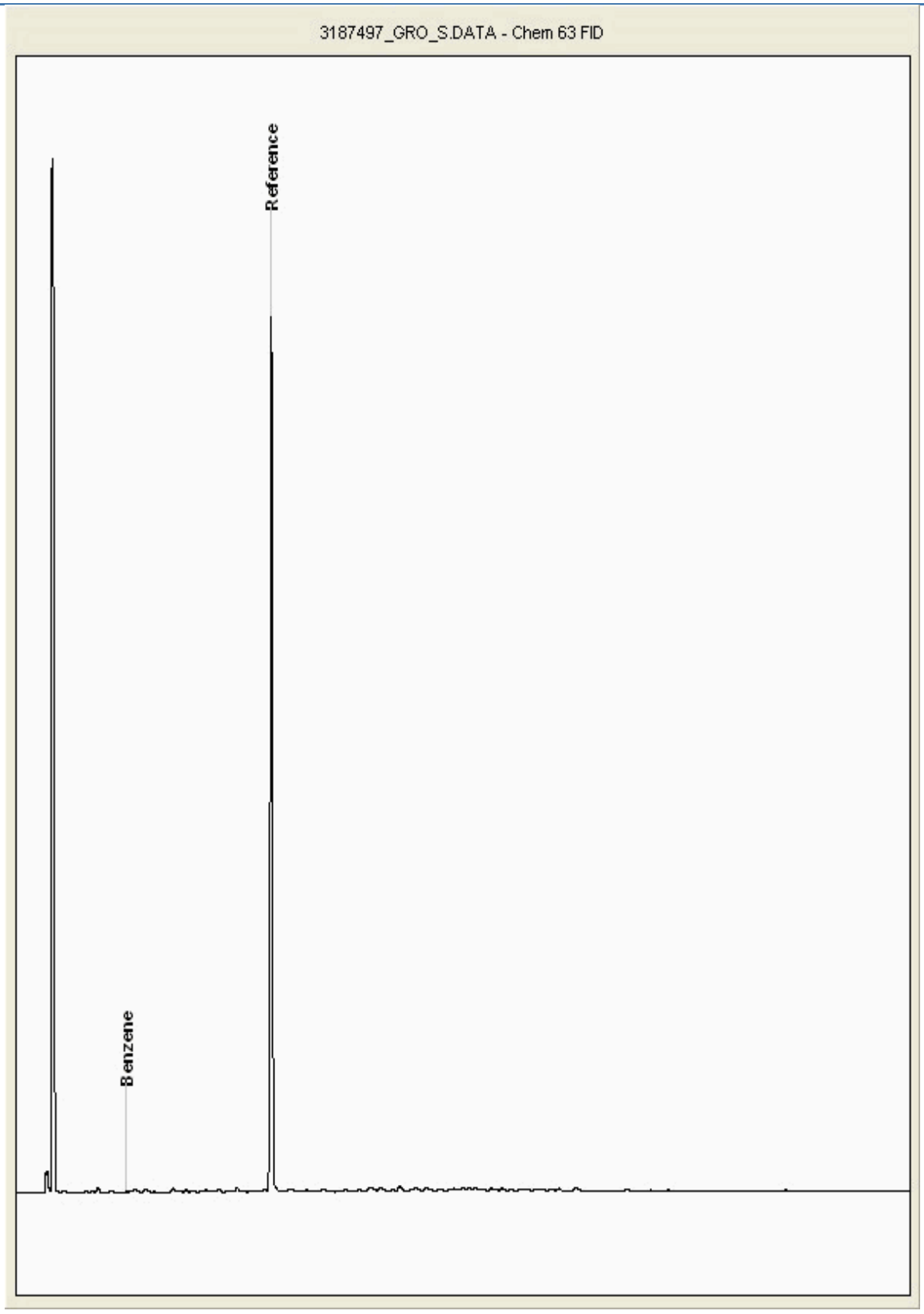
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187497
Sample ID : CATP027

Depth : 2.50



CERTIFICATE OF ANALYSIS

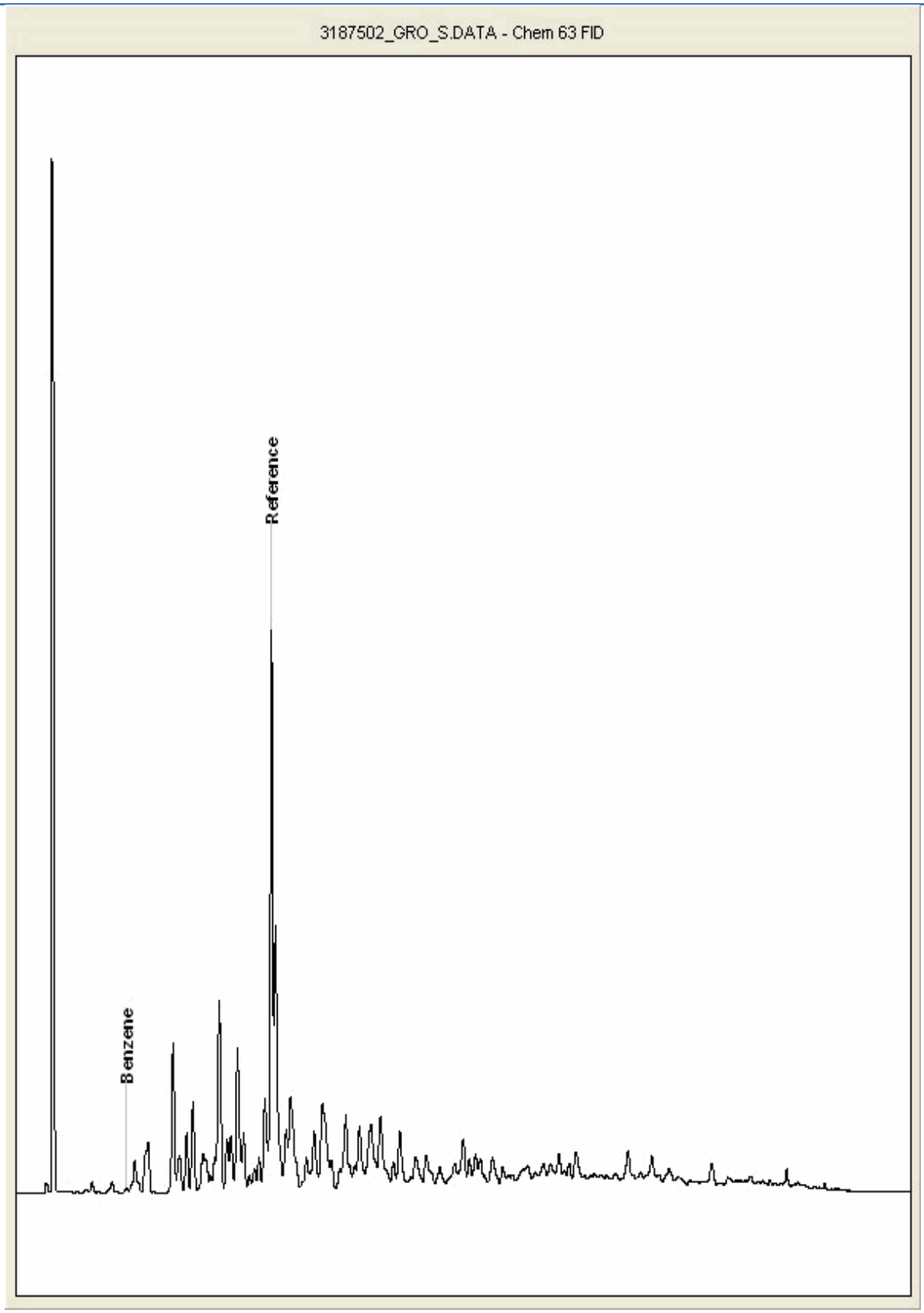
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Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187502
Sample ID : CATP028

Depth : 0.10



CERTIFICATE OF ANALYSIS

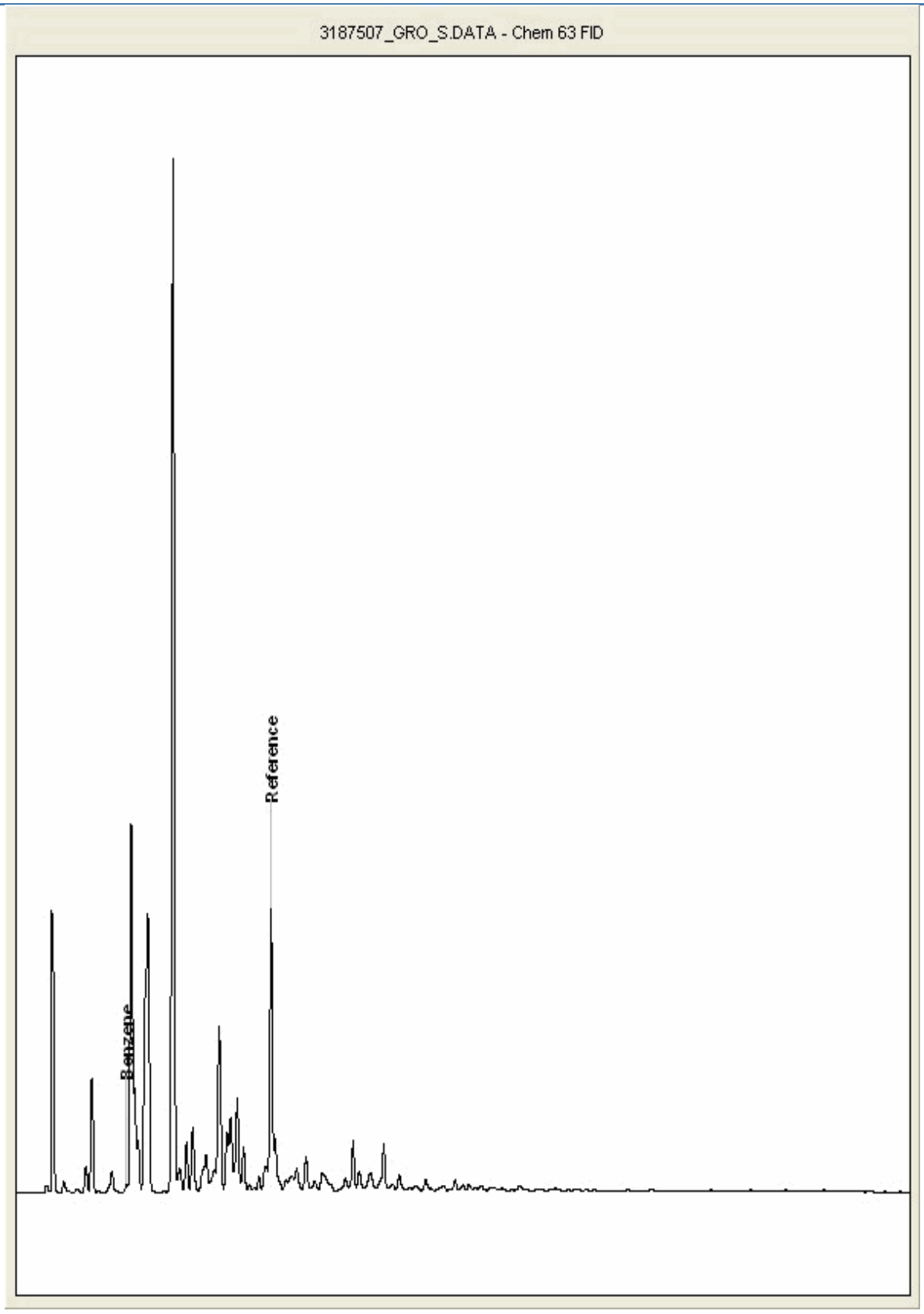
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187507
Sample ID : CATP028

Depth : 0.70



CERTIFICATE OF ANALYSIS

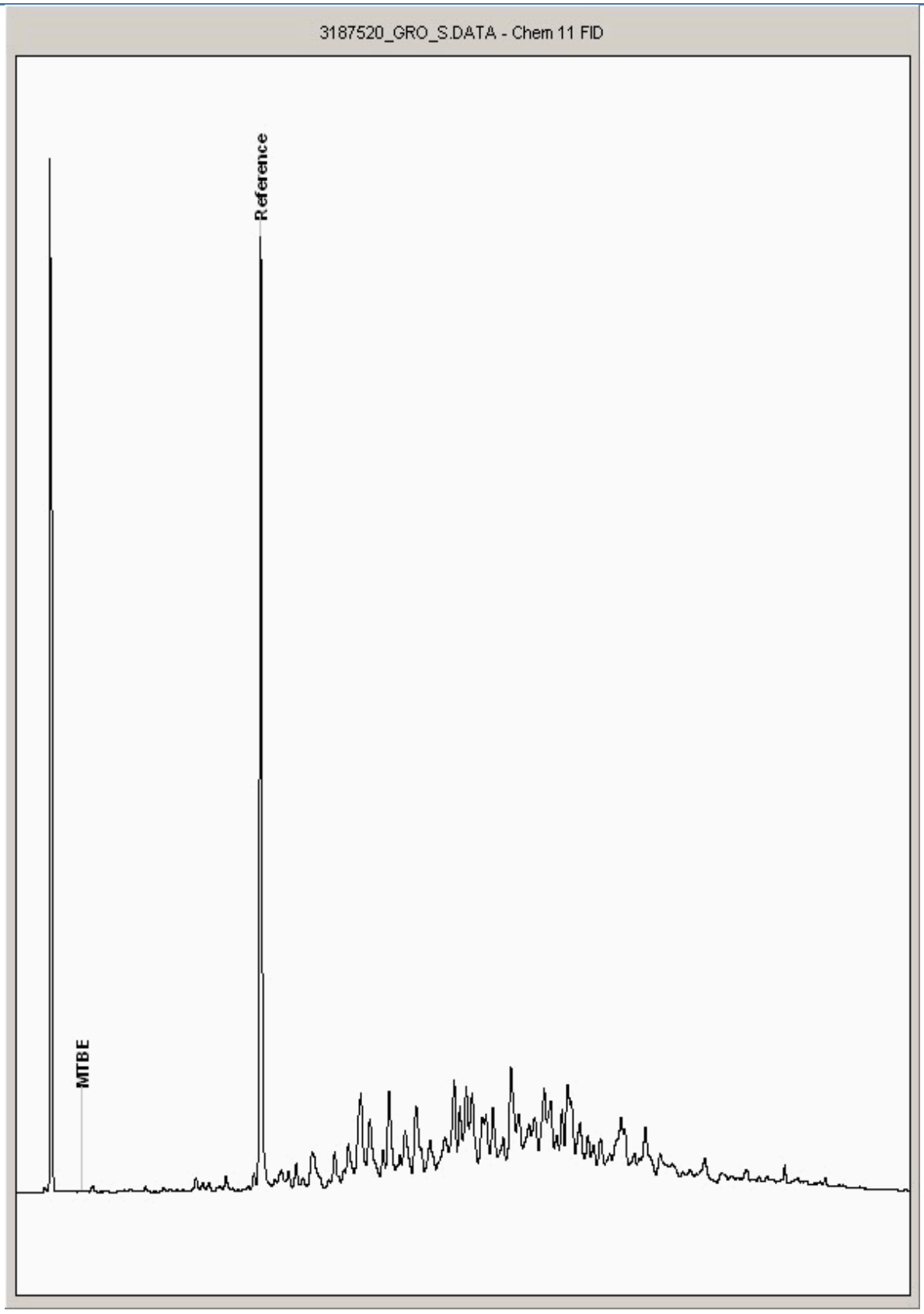
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Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187520
Sample ID : CATP029

Depth : 0.40



CERTIFICATE OF ANALYSIS

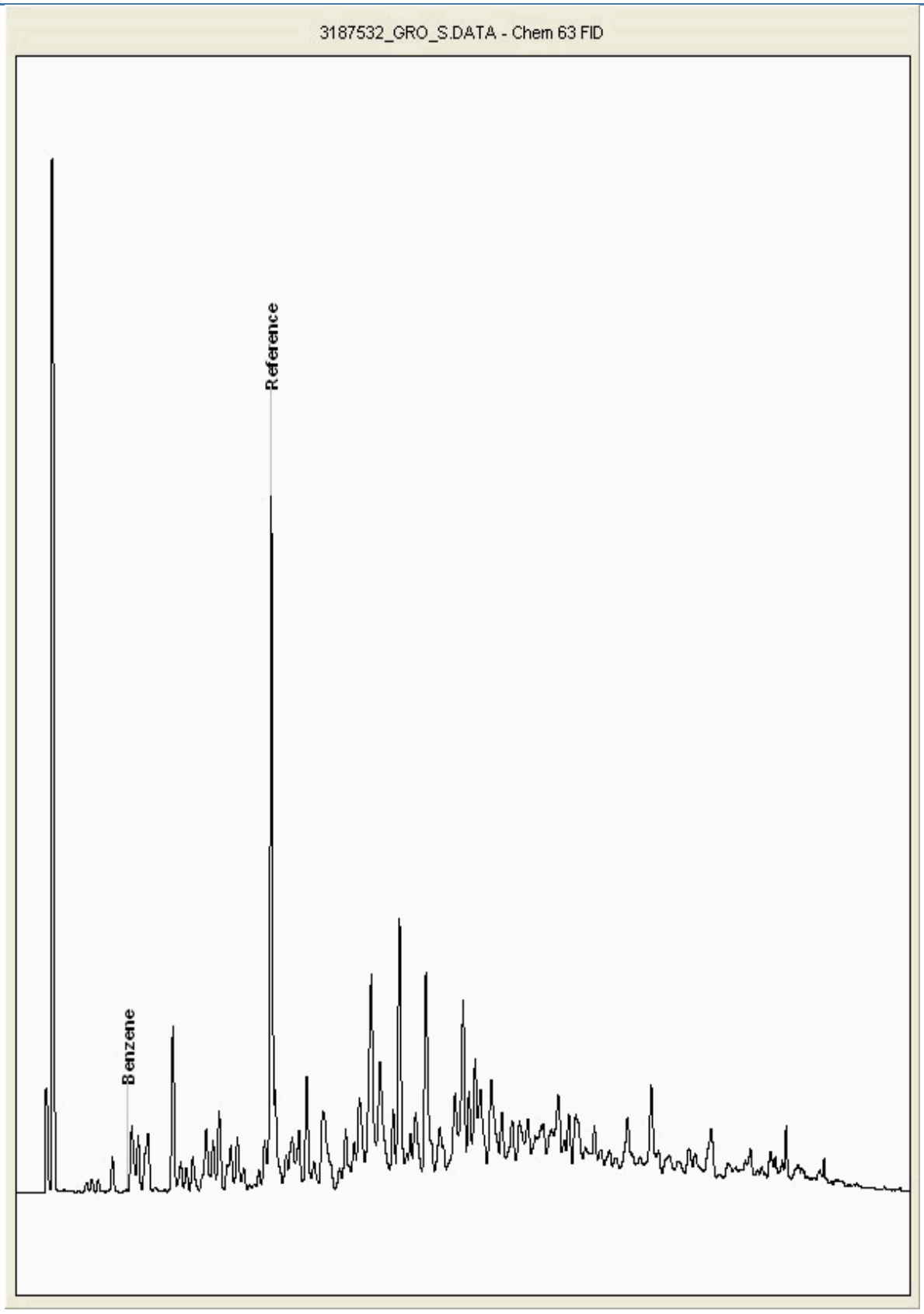
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187532
Sample ID : CATP029

Depth : 0.80



CERTIFICATE OF ANALYSIS

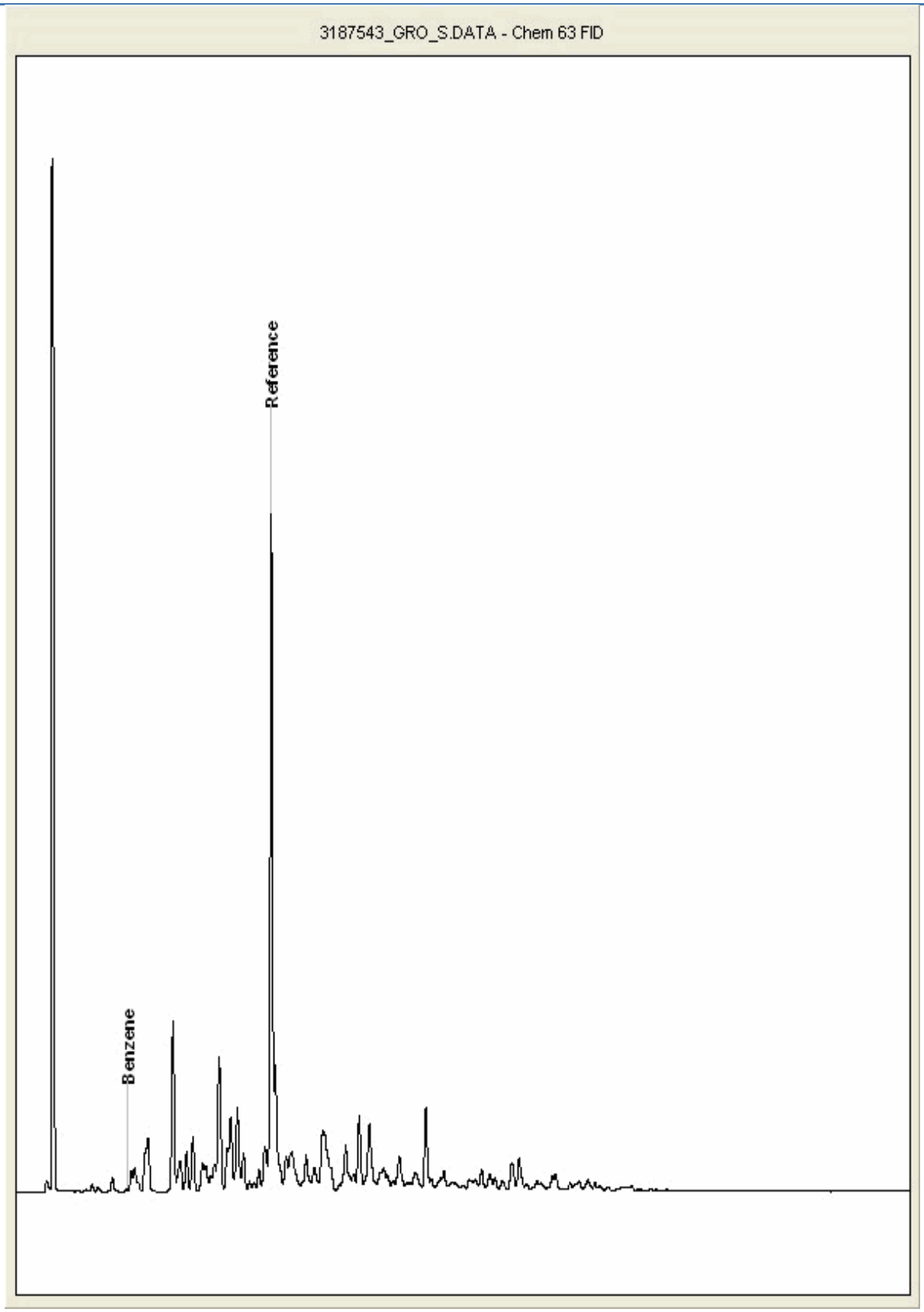
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187543
Sample ID : CATP029

Depth : 1.50



CERTIFICATE OF ANALYSIS

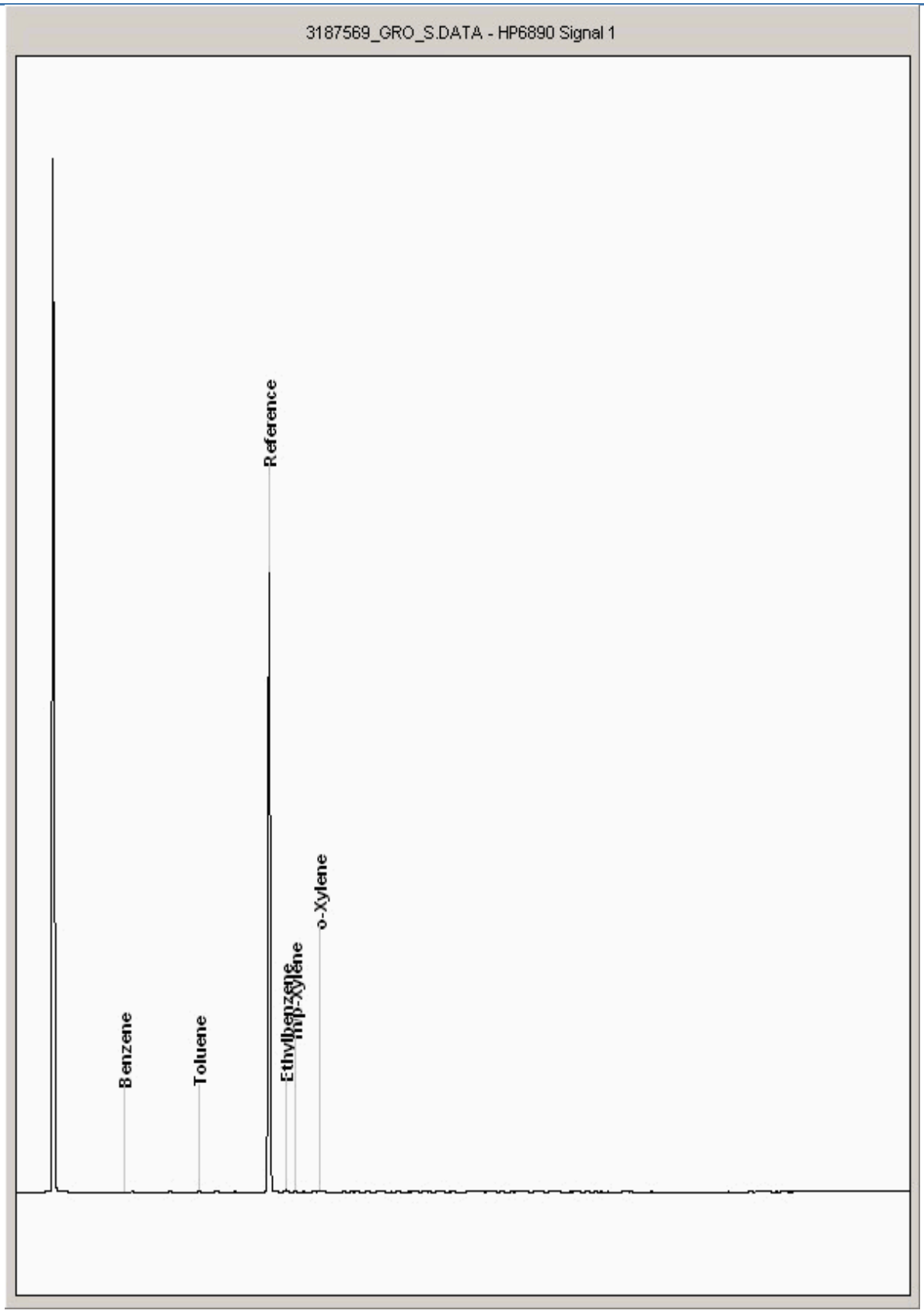
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Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187569
Sample ID : CATP050

Depth : 0.30



CERTIFICATE OF ANALYSIS

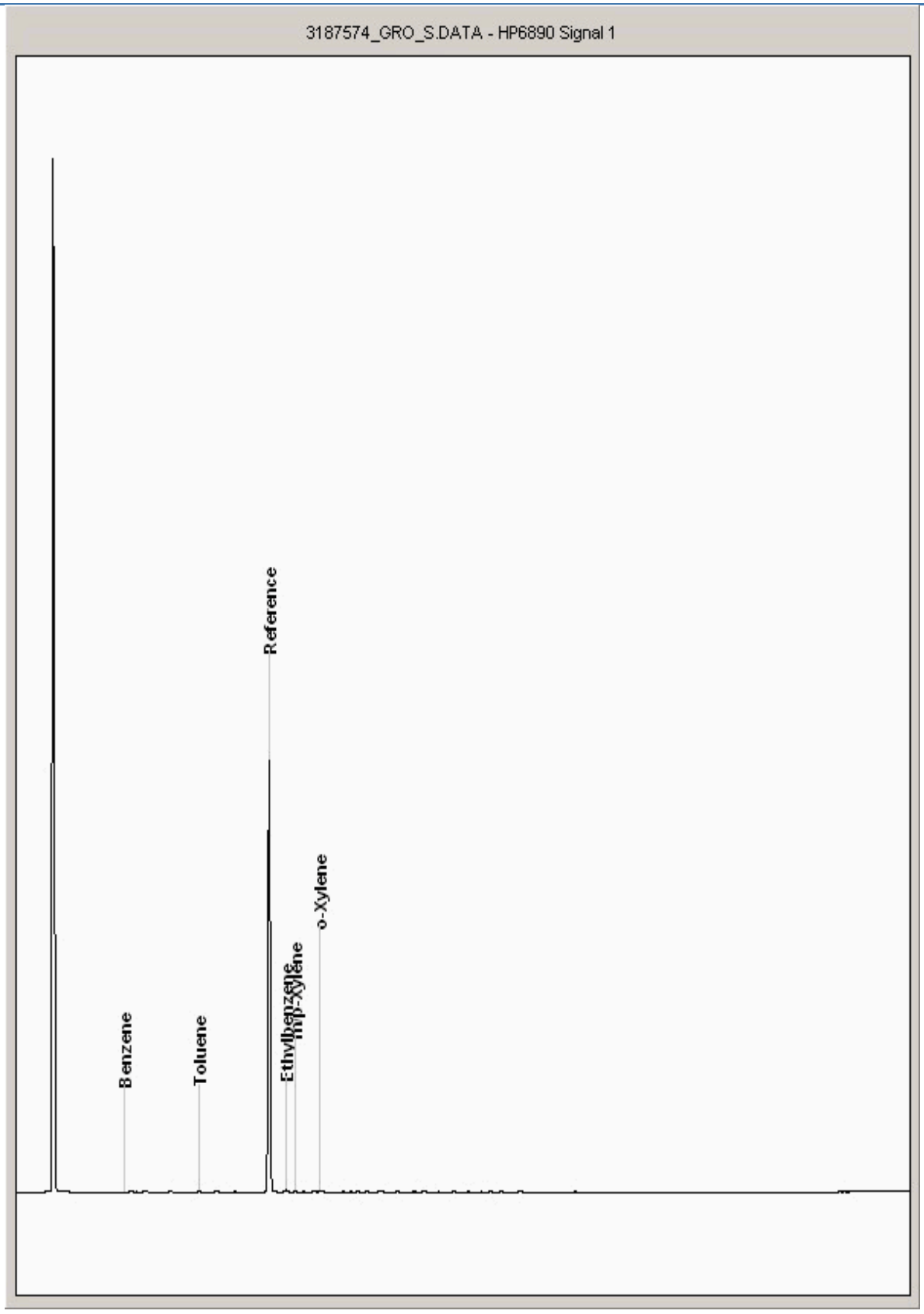
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187574
Sample ID : CATP051

Depth : 0.20



CERTIFICATE OF ANALYSIS

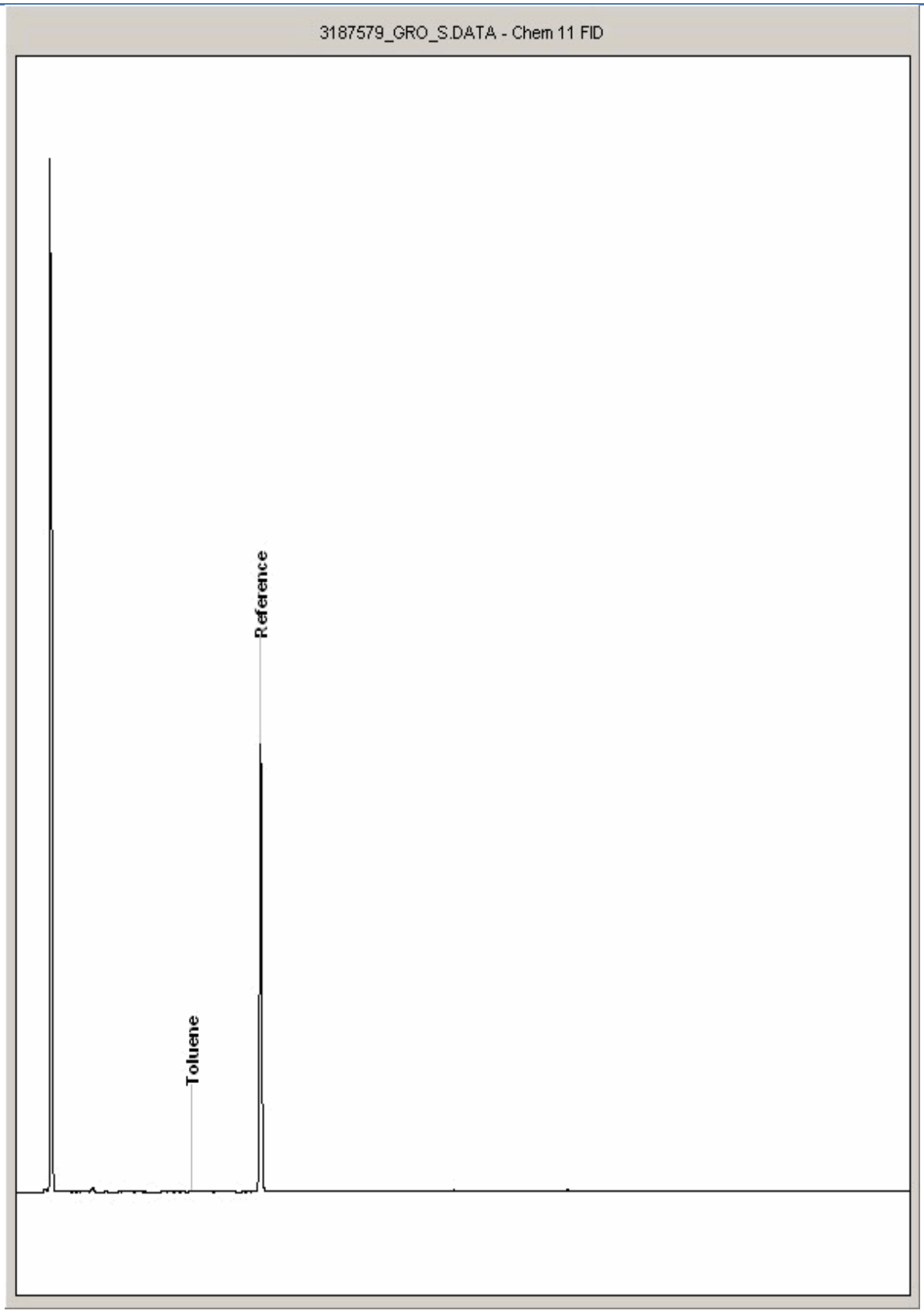
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Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187579
Sample ID : CATP051

Depth : 0.60



CERTIFICATE OF ANALYSIS

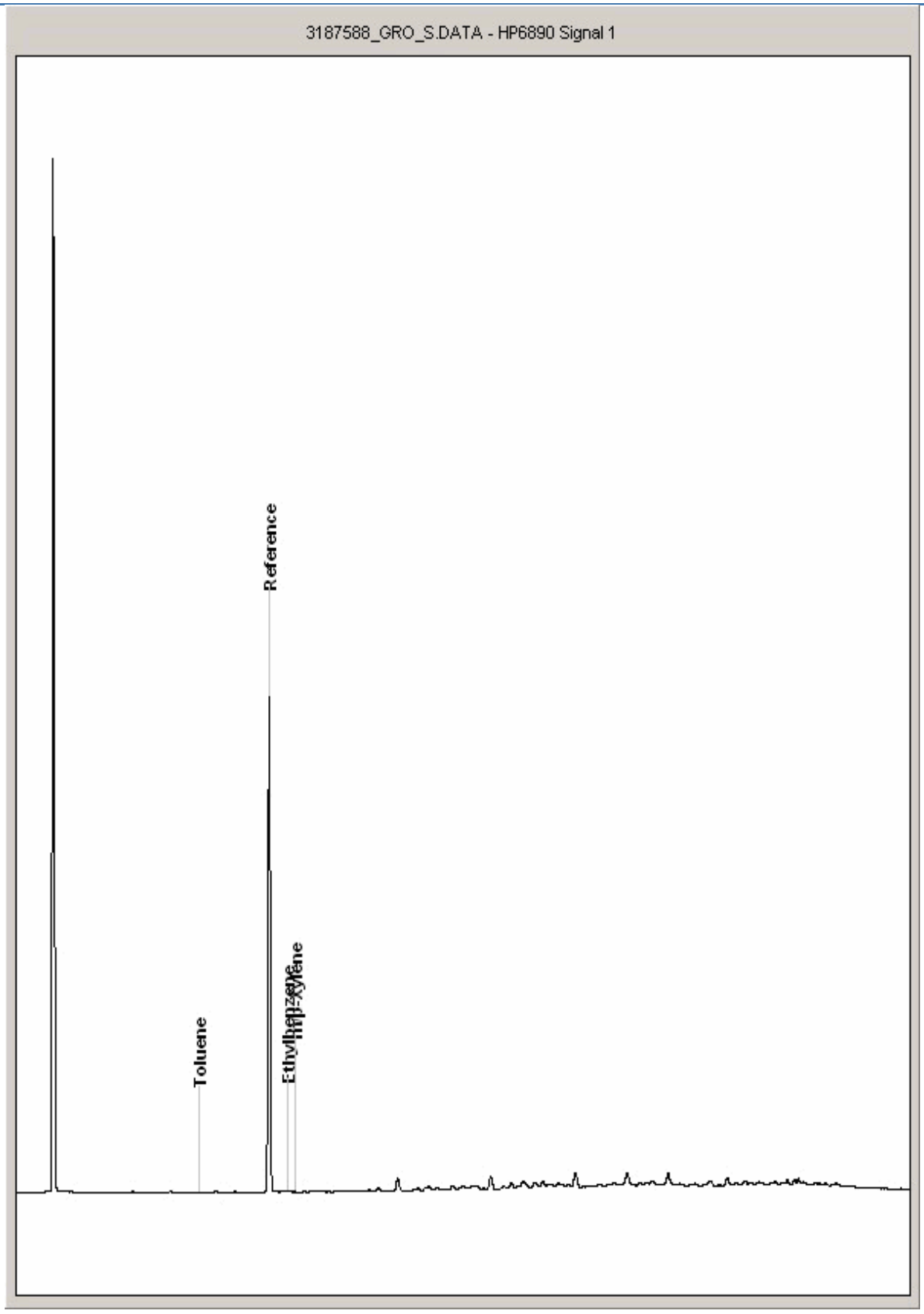
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187588
Sample ID : CATP052

Depth : 0.30



CERTIFICATE OF ANALYSIS

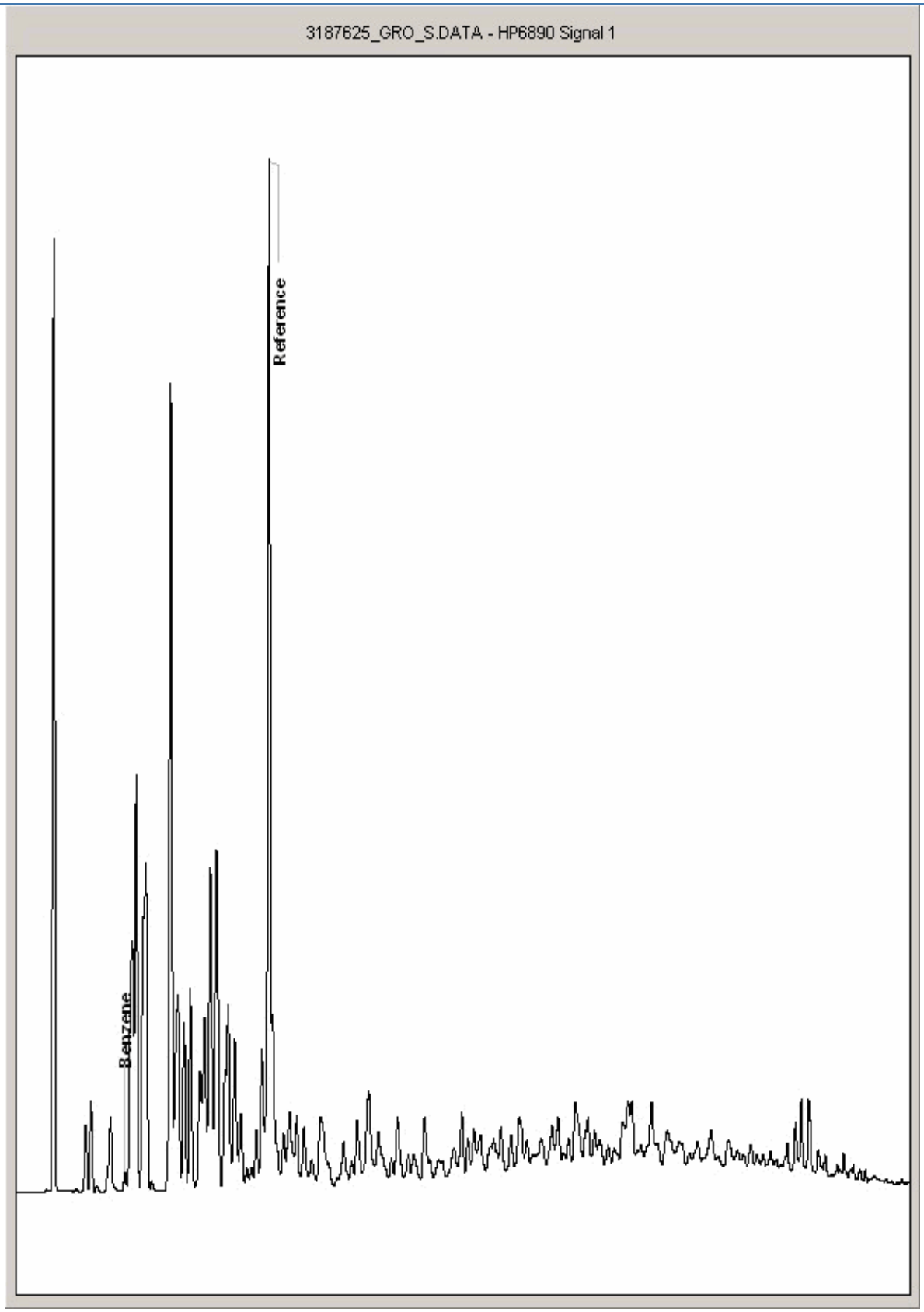
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Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187625
Sample ID : CATP054

Depth : 0.80



CERTIFICATE OF ANALYSIS

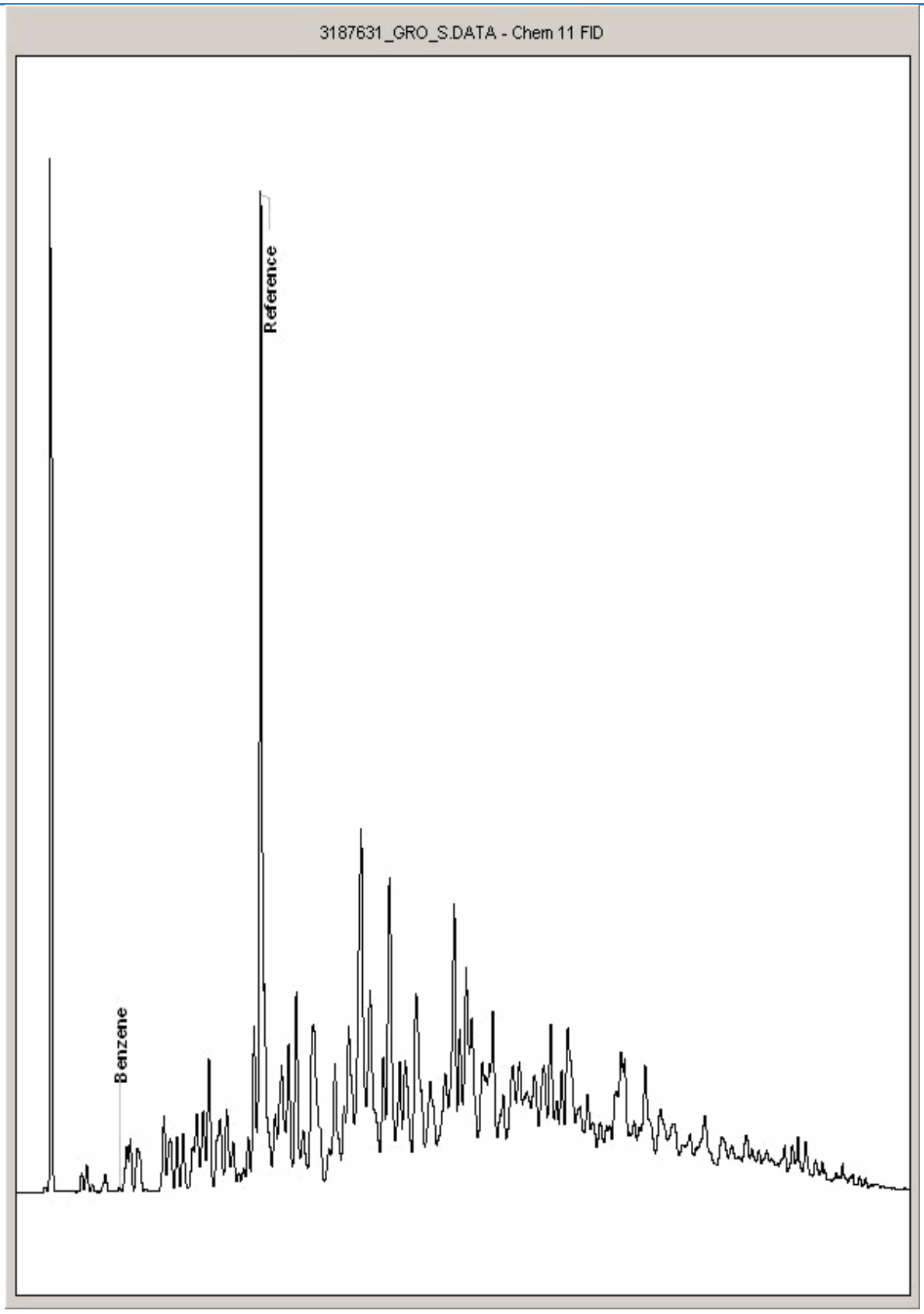
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Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187631
Sample ID : CATP054

Depth : 1.50



CERTIFICATE OF ANALYSIS

SDG:	110330-44	**Location:**	Coed Darcy Urban Village	**Order Number:**	
Job:	H_ATKINS_LDC-109	**Customer:**	Atkins Global Ltd	**Report Number:**	125242
Client Reference:	Commercial Area	**Attention:**	Selina Bamforth	**Superseded Report:**	125112

Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 3187637
Sample ID : CATP057

Depth : 0.40

