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Unit 35, Boyne Business Park, Drogheda, Co. Louth Ireland Tel: +353 41 9845440 Fax: +353 41 9846171 Web: www.fitzsci.ie email info@fitzsci.ie

Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/01
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH1 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS GC-FID GCMS GCMS	_{يي} ∙Result	Units	Acc.
% Dry Matter	302	Drying @ 104 C	Not 77.97	%	
Acenaphthene (Soil)	200	GCMS	<0.05	mg/Kg	
Acenaphthylene (Soil)	200	GCMS	<0.05	mg/Kg	
Anthracene (Soil)	200	GCMS Set At	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS JUP Chill	26.17	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ton & terr	1130.27	ug/Kg	
Arsenic (Leachate)	128	ICPMS Dect with	37.06	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES institut	3741.7	ug/Kg	
Barium (Leachate)	128	ICPMS FOLDINE	119.8	ug/Kg	
Barium Solid (OES)	224	ICP-OES 500	49203.6	ug/Kg	
Benzene (Soil)	198	GC-FID	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS ons	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	0.915	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	324.66	ug/Kg	
Chloride (Leachate WAC)	190	IC	20.82	mg/Kg	
Chloride (Solid)	100	Colorimetry	11.79	mg/Kg	
Chromium (Leachate)	128	ICPMS	19.72	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	8752.76	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

Date : 11/04/2014

Acc. : Accredited Parameters by ISO 17025:2005 PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007) All organic results are analysed as received and all results are corrected for dry weight at 104 C Results shall not be reproduced, except in full, without the approval of Fitz Scientific Results contained in this report relate only to the samples tested (P) : Presumptive Results



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	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH1 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique ICPMS ICP-OES GCMS GCMS TOC Analyser GC-FID GCMS GCMS GCMS GCMS IC Colorimetry GCMS	_{,≪} .Result	Units	Acc.
Copper (Leachate)	128	ICPMS	365.2	ug/Kg	
Copper Solid (OES)	224	ICP-OES	17421.1	ug/Kg	
Coronene (Soil)	200	GCMS only a	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS Set Ato	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	767.7	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ion treet	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS Beck who	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS (115) dit	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FOLDYTE	4.16	mg/Kg	
Fluoride (Solid)	115	Colorimetry	2.10	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	Colorimetry of COL GCMS COL ICPMS OF ICP-OES	<0.05	mg/Kg	
Lead (Leachate)	128	ICPMS ons	<0.38	ug/Kg	
Lead Solid (OES)	224	ICP-OES	14090.4	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	1.273	ug/Kg	
Mercury (Solid)	178	ICPMS	81.59	ug/Kg	
Mineral Oil (soil)	327	GC-FID	<2.5	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	15.67	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	982.517	ug/Kg	
Naphthalene (Soil)	200	GCMS	<0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	78.34	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	17372.5	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005

PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007) All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results shall not be reproduced, except in full, without the approval of Fitz Scientific

Results contained in this report relate only to the samples tested

(P): Presumptive Results

**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

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	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH1 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique GCMS GCMS Colorimetry GCMS ICPMS ICP-OES IC Colorimetry TOC Analyse(Control to the formation of	_{,e} . Result	Units	Acc.
PCB Total of 7 Congeners	167	GCMS	<0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	<0.05	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.19	mg/Kg	
Pyrene (Soil)	200	GCMS Set AT	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DIRCUIT	71.97	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ion Price	2054.42	ug/Kg	
Sulphate (Leachate WAC)	190	IC Dect whe	82.48	mg/Kg	
Sulphate (Solid)	119	Colorimetry	<1.39	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	2.62	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ @ravimetry	2970	mg/Kg	
Total Xylene (Soil)	198	GC-FID ent	<0.5	mg/Kg	
Zinc (Leachate)	128	ICPMS onse	40.3	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	42300.3	ug/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

Date : 11/04/2014

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	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	14/04/2014
Customer Ref	BH3 (GW)	Sample Type	Groundwater
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Colorimetry Colorimetry ICPMS ICPMS ICPMS ICPMS ICPMS ICPMS ICPMS Colorimetry ICPMS	. sev Result	Units	Acc.
Alkalinity (Ground Water)	102	Colorimetry	et 211	mg/L CaCO3	UKAS
Ammonia (Ground Water)	114	Colorimetry	<0.01	mg/L as N	UKAS
Arsenic (Ground Water)	177	ICPMS OTHER ALL	1.434	ug/L	UKAS
Barium (Ground Water)	177	ICPMS Set A	61.62	ug/L	UKAS
Boron (Ground Water)	177	ICPMS DIRPCUIT	173.6	ug/L	UKAS
Cadmium (Ground Water)	177	ICPMS ion treet	0.141	ug/L	UKAS
Calcium (Ground Water)	184	ICPMS Dect with	131.30	mg/L	UKAS
Chloride (Ground Water)	100	Colorimetry	24.81	mg/L	UKAS
Chromium (Ground Water)	177	ICPMS FOTOTILE	5.377	ug/L	UKAS
Coliforms (Faecal)	140	Filtration/ Incubation 44C/ 24H	0	cfu/ 100ml	
Coliforms (Total)	140	Filtration/ Incubation 37C/ 24H	17	cfu/ 100ml	
Conductivity (Ground Water at 20C)	112	Electrometry	690	uscm -1@20C	UKAS
Copper (Ground Water)	177	ICPMS	12.58	ug/L	UKAS
Cyanide	138	Colorimetry	<5	ug/L	
Dissolved Oxygen (mg/l)	715	DO Meter	9.2	mg/L	
Fluoride (Ground Water)	115	Colorimetry	0.29	mg/L	UKAS
Iron (Ground Water)	177	ICPMS	765.1	ug/L	UKAS
Lead (Ground Water)	177	ICPMS	1.479	ug/L	UKAS
Magnesium (Ground Water)	184	ICPMS	10.01	mg/L	UKAS
Manganese (Ground Water)	177	ICPMS	60.1	ug/L	UKAS
Mercury (Ground water)	178	ICPMS	0.045	ug/L	UKAS
Nickel (Ground Water)	177	ICPMS	3.26	ug/L	UKAS
Nitrate (Ground Water)	103	Colorimetry	2.940	mg/L as N	UKAS
Nitrate as NO3	103	Calculation	13.02	mg/L as NO3	UKAS

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005

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	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	14/04/2014
Customer Ref	BH3 (GW)	Sample Type	Groundwater
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Colorimetry Calculation Colorimetry Electrometry GCMS Calculation Colorimetry ICPMS ICPMS ICPMS ICPMS Colorimetry	Result∘ي	Units	Acc.
**Nitrite (Ground Water)	118	Colorimetry	<0.002	mg/L as N	
Nitrite as NO2	118	Calculation	<0.050	mg/L as NO2	UKAS
Nitrogen (Total Oxidised) (Ground W	151	Colorimetry of the color	2.94	mg/L as N	UKAS
pH (Ground Water)	110	Electrometry	7.8	pH Units	UKAS
Phenols (Total)	223	GCMS DIRPCHITC	<0.10	ug/L	
Phosphate (Total as PO4)	166	Calculation ion Price 1	0.067	mg/L as PO4	UKAS
Phosphate (Total) Ground Water	166	Colorimetry Section 10	<0.024	mg/L as P	UKAS
Potassium (Ground Water)	184	ICPMS (115 dit C	10.54	mg/L	UKAS
Selenium (Ground Water)	177	ICPMS FOLDER	1.792	ug/L	UKAS
Silver	177	ICPMS 500	<0.33	ug/L	
Sodium (Ground water)	184	ICPMS of	19.47	mg/L	UKAS
Sulphate (Ground Water)	119	Colorimetry	200.63	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	7.04	mg/L	
Zinc (Ground Water)	177	ICPMS	11.29	ug/L	UKAS

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	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH3 5m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS GC-FID GCMS GCMS	_{ुङ} Result	Units	Acc.
% Dry Matter	302	Drying @ 104 C	83.59	%	
Acenaphthene (Soil)	200	GCMS	<0.05	mg/Kg	
Acenaphthylene (Soil)	200	GCMS	<0.05	mg/Kg	
Anthracene (Soil)	200	GCMS Set A	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS JUP Quite	15.19	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ion & read	412.68	ug/Kg	
Arsenic (Leachate)	128	ICPMS Dect with	47.13	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES institut	6594.04	ug/Kg	
Barium (Leachate)	128	ICPMS FOTOTILE	883.7	ug/Kg	
Barium Solid (OES)	224	ICP-OES 500	9635.96	ug/Kg	
Benzene (Soil)	198	GC-FID	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS OF	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	<0.09	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	<10.00	ug/Kg	
Chloride (Leachate WAC)	190	IC	9.32	mg/Kg	
Chloride (Solid)	100	Colorimetry	8.69	mg/Kg	
Chromium (Leachate)	128	ICPMS	234.8	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	1792.88	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

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	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH3 5m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	_{,⊴} . Result	Units	Acc.
Copper (Leachate)	128	ICPMS	105.5	ug/Kg	
Copper Solid (OES)	224	ICP-OES	19757.4	ug/Kg	
Coronene (Soil)	200	GCMS only a	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS Set Att	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	139.6	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ion & reev	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS Beck which	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS the dit	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FOLDINE	2.40	mg/Kg	
Fluoride (Solid)	115	Colorimetry 500	2.02	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	GCMS of	<0.05	mg/Kg	
Lead (Leachate)	128	ICPMS onst	22.42	ug/Kg	
Lead Solid (OES)	224	ICP-OES	13362.1	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	<0.2	ug/Kg	
Mercury (Solid)	178	ICPMS	47.47	ug/Kg	
Mineral Oil (soil)	327	GC-FID	5.55	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	10.66	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	345.197	ug/Kg	
Naphthalene (Soil)	200	GCMS	<0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	94.1	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	32632.9	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

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Customer PO	Co. Meath	Condition on Receipt	Acceptable
customer PO		Date of Report	11/04/2014
Customer Ref	BH3 5m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	, v ^e ⋅Result	Units	Acc.
PCB Total of 7 Congeners	167	GCMS GCMS Colorimetry GCMS ICPMS ICP-OES IC Colorimetry TOC Analyser of the	<0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	· ~ ~ <0.05	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.02	mg/Kg	
Pyrene (Soil)	200	GCMS Ses dt	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DIRPONITE	72.44	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ion treet	1323.5	ug/Kg	
Sulphate (Leachate WAC)	190	IC Decit whe	21.94	mg/Kg	
Sulphate (Solid)	119	Colorimetry	10.89	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	<1.0	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ Gravimetry	1610	mg/Kg	
Total Xylene (Soil)	198	GC-FID gent	<0.5	mg/Kg	
Zinc (Leachate)	128	ICPMS offer	167.6	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	32025.6	ug/Kg	

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	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH3 2.5m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS GC-FID GCMS GCMS	_{يي} ∙Result	Units	Acc.
% Dry Matter	302	Drying @ 104 C	79.88	%	
Acenaphthene (Soil)	200	GCMS	<0.05	mg/Kg	
Acenaphthylene (Soil)	200	GCMS	<0.05	mg/Kg	
Anthracene (Soil)	200	GCMS Set At	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS MIRChill	25.97	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ton Prese	354.06	ug/Kg	
Arsenic (Leachate)	128	ICPMS pectowite	135.7	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES INState	4464.46	ug/Kg	
Barium (Leachate)	128	ICPMS FOLDINE	1326	ug/Kg	
Barium Solid (OES)	224	ICP-OES 500	51053.7	ug/Kg	
Benzene (Soil)	198	GC-FID	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS OF	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	9.344	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	345.309	ug/Kg	
Chloride (Leachate WAC)	190	IC	9.50	mg/Kg	
Chloride (Solid)	100	Colorimetry	8.85	mg/Kg	
Chromium (Leachate)	128	ICPMS	705.3	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	11570.7	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

Date : 11/04/2014

Acc. : Accredited Parameters by ISO 17025:2005 PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007) All organic results are analysed as received and all results are corrected for dry weight at 104 C Results shall not be reproduced, except in full, without the approval of Fitz Scientific Results contained in this report relate only to the samples tested (P) : Presumptive Results



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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/08
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH3 2.5m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	_ي و Result	Units	Acc.
Copper (Leachate)	128	ICPMS	348.4	ug/Kg	
Copper Solid (OES)	224	ICP-OES	23632.2	ug/Kg	
Coronene (Soil)	200	GCMS	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS se ato	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	162.2	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ton & ter	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS Dect with	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS institut	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FODYTE	2.68	mg/Kg	
Fluoride (Solid)	115	Colorimetry	2.13	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	Colorimetry of CON GCMS entry ICPMS of South ICP-OES	<0.05	mg/Kg	
Lead (Leachate)	128	ICPMS onst	72.7	ug/Kg	
Lead Solid (OES)	224	ICP-OES	12445.6	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	2.9	ug/Kg	
Mercury (Solid)	178	ICPMS	77.09	ug/Kg	
Mineral Oil (soil)	327	GC-FID	6.46	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	10.78	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	481.31	ug/Kg	
Naphthalene (Soil)	200	GCMS	<0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	499.6	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	29380.9	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

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Acc. : Accredited Parameters by ISO 17025:2005 PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007) All organic results are analysed as received and all results are corrected for dry weight at 104 C Results shall not be reproduced, except in full, without the approval of Fitz Scientific Results contained in this report relate only to the samples tested (P): Presumptive Results

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/08
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH3 2.5m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique GCMS GCMS Colorimetry GCMS ICPMS ICP-OES IC Colorimetry TOC Analyse For the formation of the fo	Result،	Units	Acc.
PCB Total of 7 Congeners	167	GCMS	<0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	<0.05	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.04	mg/Kg	
Pyrene (Soil)	200	GCMS Set 1	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DUPPOUL	21.67	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ion & rec	3153.62	ug/Kg	
Sulphate (Leachate WAC)	190	IC Decitowine	16.96	mg/Kg	
Sulphate (Solid)	119	Colorimetry in State	<1.39	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	<1.0	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ @ravimetry	1950	mg/Kg	
Total Xylene (Soil)	198	GC-FID sent	<0.5	mg/Kg	
Zinc (Leachate)	128	ICPMS ons	851.7	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	48259.6	ug/Kg	

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Date : 11/04/2014

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/07
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH3 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS GC-FID GCMS GCMS	_{رچ} ⋅Result	Units	Acc.
% Dry Matter	302	Drying @ 104 C	80.72	%	
Acenaphthene (Soil)	200	GCMS	<0.05	mg/Kg	
Acenaphthylene (Soil)	200	GCMS only	alt	mg/Kg	
Anthracene (Soil)	200	GCMS Set Ato	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS DIRPONITE	36.02	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ion treet	498.208	ug/Kg	
Arsenic (Leachate)	128	ICPMS Decit with	76.61	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES TISTIC	6738.73	ug/Kg	
Barium (Leachate)	128	ICPMS FOLDER	998.6	ug/Kg	
Barium Solid (OES)	224	ICP-OES SCOT	48674.9	ug/Kg	
Benzene (Soil)	198	GC-FID of	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS OTS	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	4.448	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	471.803	ug/Kg	
Chloride (Leachate WAC)	190	IC	15.82	mg/Kg	
Chloride (Solid)	100	Colorimetry	7.64	mg/Kg	
Chromium (Leachate)	128	ICPMS	413.4	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	13175.2	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

Date : 11/04/2014

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/07
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH3 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	_{يو} . Result	Units	Acc.
Copper (Leachate)	128	ICPMS	284.7	ug/Kg	
Copper Solid (OES)	224	ICP-OES	22633.8	ug/Kg	
Coronene (Soil)	200	GCMS office	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS Set A	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	176.3	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ton & ter	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS Dect will	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS THE GIL	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FOLDITE	6.60	mg/Kg	
Fluoride (Solid)	115	Colorimetry	2.51	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	Colorimetry 5 COV GCMS COV ICPMS 55 ICP-OES	<0.05	mg/Kg	
Lead (Leachate)	128	ICPMS one	62.48	ug/Kg	
Lead Solid (OES)	224	ICP-OES	10316.9	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	0.539	ug/Kg	
Mercury (Solid)	178	ICPMS	49.1	ug/Kg	
Mineral Oil (soil)	327	GC-FID	<2.5	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	9.957	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	730.77	ug/Kg	
Naphthalene (Soil)	200	GCMS	<0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	288.2	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	24590.9	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/07
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH3 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Nesult	Units	Acc.
PCB Total of 7 Congeners	167	GCMS GCMS Colorimetry GCMS ICPMS ICP-OES IC Colorimetry TOC Analysef ^{CO} Structure Structure GCMS GCMS GCMS GCMS GCMS GCMS GCMS GCMS	×et <0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	<0.05	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.02	mg/Kg	
Pyrene (Soil)	200	GCMS Set Ato	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DIFP MIL	61.07	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ion & rect	3217.35	ug/Kg	
Sulphate (Leachate WAC)	190	IC pect whe	117.26	mg/Kg	
Sulphate (Solid)	119	Colorimetry	62.16	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	<1.0	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ @ravimetry	2910	mg/Kg	
Total Xylene (Soil)	198	GC-FID of	<0.5	mg/Kg	
Zinc (Leachate)	128	GC-FID BONSON	485.2	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	38621.4	ug/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

Date : 11/04/2014

Acc. : Accredited Parameters by ISO 17025:2005 PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007) All organic results are analysed as received and all results are corrected for dry weight at 104 C Results shall not be reproduced, except in full, without the approval of Fitz Scientific Results contained in this report relate only to the samples tested (P) : Presumptive Results **The analytical result for this parameter may not be reflective of the concentration present at the

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/10
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	07/04/2014
Customer Ref	BH2 (GW)	Sample Type	Groundwater
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Colorimetry Colorimetry ICPMS ICPMS ICPMS ICPMS ICPMS Colorimetry ICPMS	Result، يور	Units	Acc.
Alkalinity (Ground Water)	102	Colorimetry	ره 30	mg/L CaCO3	UKAS
Ammonia (Ground Water)	114	Colorimetry	0.42	mg/L as N	UKAS
Arsenic (Ground Water)	177	ICPMS OT AT	1.455	ug/L	UKAS
Barium (Ground Water)	177	ICPMS	68.97	ug/L	UKAS
Boron (Ground Water)	177	ICPMS DIRCUIT	134.2	ug/L	UKAS
Cadmium (Ground Water)	177	ICPMS ion treet	0.18	ug/L	UKAS
Calcium (Ground Water)	184	ICPMS Decit with	63.97	mg/L	UKAS
Chloride (Ground Water)	100	Colorimetry in State	73.59	mg/L	UKAS
Chromium (Ground Water)	177	ICPMS FOLDE	5.803	ug/L	UKAS
Coliforms (Faecal)	140	Filtration/ Incubation 44C/ 24H	0	cfu/ 100ml	
Coliforms (Total)	140	Filtration/ Incubation 37C/ 24H	0	cfu/ 100ml	
Conductivity (Ground Water at 20C)	112	Electrometry	476	uscm -1@20C	UKAS
Copper (Ground Water)	177	ICPMS	23.96	ug/L	UKAS
Cyanide	138	Colorimetry	<5	ug/L	
Dissolved Oxygen (mg/l)	715	DO Meter	6.5	mg/L	
Fluoride (Ground Water)	115	Colorimetry	0.50	mg/L	UKAS
Iron (Ground Water)	177	ICPMS	682.6	ug/L	UKAS
Lead (Ground Water)	177	ICPMS	12.52	ug/L	UKAS
Magnesium (Ground Water)	184	ICPMS	3.145	mg/L	UKAS
Manganese (Ground Water)	177	ICPMS	44.55	ug/L	UKAS
Mercury (Ground water)	178	ICPMS	<0.04	ug/L	UKAS
Nickel (Ground Water)	177	ICPMS	7.195	ug/L	UKAS
Nitrate (Ground Water)	103	Colorimetry	0.990	mg/L as N	UKAS
Nitrate as NO3	103	Calculation	4.384	mg/L as NO3	UKAS

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005

PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C
Results shall not be reproduced, except in full, without the approval of Fitz Scientific
Results contained in this report relate only to the samples tested
(P) : Presumptive Results

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/10
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	07/04/2014
Customer Ref	BH2 (GW)	Sample Type	Groundwater
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Colorimetry Calculation Colorimetry Electrometry GCMS Calculation Colorimetry ICPMS ICPMS ICPMS Colorimetry ICPMS Colorimetry	_{ي¢} ∙Result	Units	Acc.
**Nitrite (Ground Water)	118	Colorimetry	NOT 0.007	mg/L as N	
Nitrite as NO2	118	Calculation	<0.050	mg/L as NO2	UKAS
Nitrogen (Total Oxidised) (Ground W	151	Colorimetry of the color	1.00	mg/L as N	UKAS
pH (Ground Water)	110	Electrometry	8.4	pH Units	UKAS
Phenols (Total)	223	GCMS SURPLINE	<0.10	ug/L	
Phosphate (Total as PO4)	166	Calculation on the feet	0.086	mg/L as PO4	UKAS
Phosphate (Total) Ground Water	166	Colorimetry oct whe	0.028	mg/L as P	UKAS
Potassium (Ground Water)	184	ICPMS (115) (11)	8.422	mg/L	UKAS
Selenium (Ground Water)	177	ICPMS FOLDITE	1.726	ug/L	UKAS
Silver	177	ICPMS SCOT	<0.33	ug/L	
Sodium (Ground water)	184	ICPMS	34.68	mg/L	UKAS
Sulphate (Ground Water)	119	Colorimetry	112.82	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	5.76	mg/L	
Zinc (Ground Water)	177	ICPMS	29.25	ug/L	UKAS

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005 PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007) All organic results are analysed as received and all results are corrected for dry weight at 104 C Results shall not be reproduced, except in full, without the approval of Fitz Scientific Results contained in this report relate only to the samples tested (P) : Presumptive Results

**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Date : 07/04/2014



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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/06
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 2m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS GCMS GCMS GCMS GCMS GCMS	_{يو} . Result	Units	Acc.
% Dry Matter	302	Drying @ 104 C	Net 81.5	%	
Acenaphthene (Soil)	200	GCMS	<0.05	mg/Kg	
Acenaphthylene (Soil)	200	GCMS	<0.05	mg/Kg	
Anthracene (Soil)	200	GCMS Se At	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS DIRPOUNC	12.35	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ton Prett	364.859	ug/Kg	
Arsenic (Leachate)	128	ICPMS pectowne	23.71	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES INSTITUT	5160.46	ug/Kg	
Barium (Leachate)	128	ICPMS FOLDITE	702.1	ug/Kg	
Barium Solid (OES)	224	ICP-OES 500	96145.3	ug/Kg	
Benzene (Soil)	198	GC-FID	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS OF	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	<0.09	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	293.275	ug/Kg	
Chloride (Leachate WAC)	190	IC	40.44	mg/Kg	
Chloride (Solid)	100	Colorimetry	22.36	mg/Kg	
Chromium (Leachate)	128	ICPMS	219.3	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	16971.3	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

Date : 11/04/2014

Acc. : Accredited Parameters by ISO 17025:2005 PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007) All organic results are analysed as received and all results are corrected for dry weight at 104 C Results shall not be reproduced, except in full, without the approval of Fitz Scientific Results contained in this report relate only to the samples tested (P) : Presumptive Results



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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/06
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 2m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	_ی e∙Result	Units	Acc.
Copper (Leachate)	128	ICPMS	59.4	ug/Kg	
Copper Solid (OES)	224	ICP-OES	19702.4	ug/Kg	
Coronene (Soil)	200	GCMS only all	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS set at the	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	142.2	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ton & ter	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS peol with	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS instant	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FODUTE	4.72	mg/Kg	
Fluoride (Solid)	115	Colorimetry	1.92	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	GCMS of	<0.05	mg/Kg	
Lead (Leachate)	128	Colorimetry of COL GCMS of COL ICPMS of COL ICP-OES	1.311	ug/Kg	
Lead Solid (OES)	224	ICP-OES	9024.64	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	0.342	ug/Kg	
Mercury (Solid)	178	ICPMS	<0.2	ug/Kg	
Mineral Oil (soil)	327	GC-FID	<2.5	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	21.11	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	1206.59	ug/Kg	
Naphthalene (Soil)	200	GCMS	<0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	40.78	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	27264.4	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/06
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 2m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
PCB Total of 7 Congeners	167	GCMS GCMS Colorimetry GCMS ICPMS ICP-OES IC Colorimetry TOC Analyser of the total states of to	<0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	 <	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.04	mg/Kg	
Pyrene (Soil)	200	GCMS Set A	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DUPPOULT	327.1	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ton Pres	3605.59	ug/Kg	
Sulphate (Leachate WAC)	190	IC Dect whe	103.22	mg/Kg	
Sulphate (Solid)	119	Colorimetry in State	15.51	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	<1.0	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ @ravimetry	2860	mg/Kg	
Total Xylene (Soil)	198	GC-FID gent	<0.5	mg/Kg	
Zinc (Leachate)	128	ICPMS offst	83.97	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	47017.5	ug/Kg	

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Date : 11/04/2014

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/05
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 1m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES GC-FID GCMS GCMS GCMS	_{ु©} Result	Units	Acc.
% Dry Matter	302	Drying @ 104 C	86.75	%	
Acenaphthene (Soil)	200	GCMS	<0.05	mg/Kg	
Acenaphthylene (Soil)	200	GCMS offer	<0.05	mg/Kg	
Anthracene (Soil)	200	GCMS set of the	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS Duffequite	15.51	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ton & ter	474.41	ug/Kg	
Arsenic (Leachate)	128	ICPMS pectowine	27.36	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES INSTITUT	5886.82	ug/Kg	
Barium (Leachate)	128	ICPMS FOLDER	52.08	ug/Kg	
Barium Solid (OES)	224	ICP-OES SCOT	266276	ug/Kg	
Benzene (Soil)	198	GC-FID	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS ons	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	<0.09	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	490.061	ug/Kg	
Chloride (Leachate WAC)	190	IC	7.86	mg/Kg	
Chloride (Solid)	100	Colorimetry	10.58	mg/Kg	
Chromium (Leachate)	128	ICPMS	360	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	8527.72	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/05
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 1m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	_{,e} v⋅Result	Units	Acc.
Copper (Leachate)	128	ICPMS	xet 7174	ug/Kg	
Copper Solid (OES)	224	ICP-OES	19598.6	ug/Kg	
Coronene (Soil)	200	GCMS only a	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS Set 10	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	57.1	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ton Prett	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS Beck with	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS HS and	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FOLDYTE	2.96	mg/Kg	
Fluoride (Solid)	115	Colorimetry	2.07	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	Colorimetry of COL GCMS entry ICPMS of COL ICP-OES	<0.05	mg/Kg	
Lead (Leachate)	128	ICPMS ons	<0.38	ug/Kg	
Lead Solid (OES)	224	ICP-OES	7653.02	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	1.129	ug/Kg	
Mercury (Solid)	178	ICPMS	<0.2	ug/Kg	
Mineral Oil (soil)	327	GC-FID	<2.5	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	13.94	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	478.331	ug/Kg	
Naphthalene (Soil)	200	GCMS	<0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	8.152	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	23955.7	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

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Results contained in this report relate only to the samples tested

(P): Presumptive Results

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Page 2 of 3



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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/05
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 1m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique GCMS GCMS Colorimetry GCMS ICPMS ICP-OES IC Colorimetry TOC Analyseft on the section of the sect	یٍ∿Result	Units	Acc.
PCB Total of 7 Congeners	167	GCMS	×et <0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	<pre></pre>	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.02	mg/Kg	
Pyrene (Soil)	200	GCMS Set 1	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DUPPORT	41.67	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ion & rec	3250.53	ug/Kg	
Sulphate (Leachate WAC)	190	IC Dectowine	99.88	mg/Kg	
Sulphate (Solid)	119	Colorimetry in State	4.6	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	3.724	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ @ravimetry	2060	mg/Kg	
Total Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Zinc (Leachate)	128	GC-FID COME	6.963	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	38391.5	ug/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

Date : 11/04/2014

Acc. : Accredited Parameters by ISO 17025:2005 PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007) All organic results are analysed as received and all results are corrected for dry weight at 104 C Results shall not be reproduced, except in full, without the approval of Fitz Scientific Results contained in this report relate only to the samples tested (P) : Presumptive Results **The analytical result for this parameter may not be reflective of the concentration present at the

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/04
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS GCMS	_{يو} . Result	Units	Acc.
% Dry Matter	302	Drying @ 104 C	90.09	%	
Acenaphthene (Soil)	200	GCMS		mg/Kg	
Acenaphthylene (Soil)	200	GCMS	<0.05	mg/Kg	
Anthracene (Soil)	200	GCMS Se dt	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS MIRCuire	5.24	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ton Prett	<10	ug/Kg	
Arsenic (Leachate)	128	ICPMS pect whe	18.61	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES INSTITUT	2912.43	ug/Kg	
Barium (Leachate)	128	ICPMS FOTOTIE	340.1	ug/Kg	
Barium Solid (OES)	224	ICP-OES	36640.7	ug/Kg	
Benzene (Soil)	198	GC-FID	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS OF	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	0.452	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	214.277	ug/Kg	
Chloride (Leachate WAC)	190	IC	17.18	mg/Kg	
Chloride (Solid)	100	Colorimetry	7.85	mg/Kg	
Chromium (Leachate)	128	ICPMS	203.1	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	8696.86	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

Signed : <u>A Hovernoo</u> Aoife Harmon - Technical Supervisor

Date : 11/04/2014

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/04
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	_ي و∙Result	Units	Acc.
Copper (Leachate)	128	ICPMS	49.67	ug/Kg	
Copper Solid (OES)	224	ICP-OES	11871.4	ug/Kg	
Coronene (Soil)	200	GCMS offer	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS Set Ato	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	65.9	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ion treet	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS OCCUMPTE	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS (115) of the	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FOUNTE	3.86	mg/Kg	
Fluoride (Solid)	115	Colorimetry	1.98	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	GCMS 💉	<0.05	mg/Kg	
Lead (Leachate)	128	ICPMS offse	1.787	ug/Kg	
Lead Solid (OES)	224	ICP-OES	6306.73	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	1.654	ug/Kg	
Mercury (Solid)	178	ICPMS	9.618	ug/Kg	
Mineral Oil (soil)	327	GC-FID	3.52	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	19.97	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	747.518	ug/Kg	
Naphthalene (Soil)	200	GCMS	<0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	60.27	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	13003.2	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

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Customer	Nikita Coulter The Recycling Village Ltd. Unit 21 Duleek Business Park Duleek Co. Meath	Lab Report Ref. No. Date of Receipt Sampled On Date Testing Commenced Received or Collected Condition on Receipt	1438/009/04 19/03/2014 18/03/2014 19/03/2014 Delivered by Customer Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH2 0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
PCB Total of 7 Congeners	167	GCMS GCMS Colorimetry GCMS ICP-OES IC Colorimetry TOC Analyse for prints GCMS ICP-OES IC Colorimetry TOC Analyse for prints	<0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	 <	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.04	mg/Kg	
Pyrene (Soil)	200	GCMS Set A	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DIFPCUIT	8.943	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ion & real	1582.64	ug/Kg	
Sulphate (Leachate WAC)	190	IC Decitarine	49.98	mg/Kg	
Sulphate (Solid)	119	Colorimetry in the	112.32	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	<1.0	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ Gravimetry	1590	mg/Kg	
Total Xylene (Soil)	198	GC-FID gent	<0.5	mg/Kg	
Zinc (Leachate)	128	ICPMS onst	133	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	22248.5	ug/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

Date : 11/04/2014

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/03
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH1 4.0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS GCMS GCMS GCMS GCMS GCMS	e Result، می	Units	Acc.
% Dry Matter	302	Drying @ 104 C	90.78	%	
Acenaphthene (Soil)	200	GCMS		mg/Kg	
Acenaphthylene (Soil)	200	GCMS	<0.05	mg/Kg	
Anthracene (Soil)	200	GCMS Se At	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS DIRPOUNT	7.241	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ton Prett	630.34	ug/Kg	
Arsenic (Leachate)	128	ICPMS pectowne	62.17	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES THE ALC	5041.86	ug/Kg	
Barium (Leachate)	128	ICPMS FOLDITE	913.8	ug/Kg	
Barium Solid (OES)	224	ICP-OES	47566.6	ug/Kg	
Benzene (Soil)	198	GC-FID	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS OF	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	0.236	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	164.665	ug/Kg	
Chloride (Leachate WAC)	190	IC	10.52	mg/Kg	
Chloride (Solid)	100	Colorimetry	7.77	mg/Kg	
Chromium (Leachate)	128	ICPMS	329.4	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	13644.8	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

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Date : 11/04/2014

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	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH1 4.0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	_{,⊴} . Result	Units	Acc.
Copper (Leachate)	128	ICPMS	122.5	ug/Kg	
Copper Solid (OES)	224	ICP-OES	19565.9	ug/Kg	
Coronene (Soil)	200	GCMS office	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS SE AL	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	80.9	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ton & ter	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS Dect will	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS instal	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FODUTE	4.60	mg/Kg	
Fluoride (Solid)	115	Colorimetry 500	2.29	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	Colorimetry 6 COL GCMS COL ICPMS 6 S	<0.05	mg/Kg	
Lead (Leachate)	128	ICPMS	33.34	ug/Kg	
Lead Solid (OES)	224	ICP-OES	8198.09	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	<0.2	ug/Kg	
Mercury (Solid)	178	ICPMS	32.91	ug/Kg	
Mineral Oil (soil)	327	GC-FID	<2.5	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	12.11	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	563.765	ug/Kg	
Naphthalene (Soil)	200	GCMS	< 0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	164.4	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	21835	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

Signed : A Haven Aoife Harmon - Technical Supervisor

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Customer	Nikita Coulter	Lab Report Ref. No.	1438/009/03
	The Recycling Village Ltd.	Date of Receipt	19/03/2014
	Unit 21	Sampled On	18/03/2014
	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH1 4.0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique GCMS GCMS Colorimetry GCMS ICPMS ICP-OES IC Colorimetry TOC Analysef ^{Contect}	Result،	Units	Acc.
PCB Total of 7 Congeners	167	GCMS	<0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	<0.05	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.02	mg/Kg	
Pyrene (Soil)	200	GCMS Set 1	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DUPPOUL	52.7	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ion & rec	2877.3	ug/Kg	
Sulphate (Leachate WAC)	190	IC Dect will	39.08	mg/Kg	
Sulphate (Solid)	119	Colorimetry in State	3.29	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	<1.0	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ @ravimetry	2960	mg/Kg	
Total Xylene (Soil)	198	GC-FID ent	<0.5	mg/Kg	
Zinc (Leachate)	128	ICPMS ons	258.6	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	32737.9	ug/Kg	

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	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH1 2.0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique Drying @ 104 C GCMS GCMS GCMS ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS ICP-OES ICPMS GCMS GCMS GCMS GCMS GCMS GCMS GCMS	_{يو} . Result	Units	Acc.
% Dry Matter	302	Drying @ 104 C	Not 83.35	%	
Acenaphthene (Soil)	200	GCMS	<0.05	mg/Kg	
Acenaphthylene (Soil)	200	GCMS	<0.05	mg/Kg	
Anthracene (Soil)	200	GCMS Se dt	<0.05	mg/Kg	
Antimony (Leachate)	128	ICPMS MIRCuire	3.765	ug/Kg	
Antimony Solid (OES)	224	ICP-OES ton Prett	505.168	ug/Kg	
Arsenic (Leachate)	128	ICPMS pect whe	33.7	ug/Kg	
Arsenic Solid (OES)	224	ICP-OES INSTITUT	5540.7	ug/Kg	
Barium (Leachate)	128	ICPMS FOTOTIE	420.7	ug/Kg	
Barium Solid (OES)	224	ICP-OES	36572.4	ug/Kg	
Benzene (Soil)	198	GC-FID	<0.5	mg/Kg	
Benzo(a)anthracene (Soil)	200	GCMS OF	<0.05	mg/Kg	
Benzo(a)pyrene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(b)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(ghi)perylene (Soil)	200	GCMS	<0.05	mg/Kg	
Benzo(k)fluoranthene (Soil)	200	GCMS	<0.05	mg/Kg	
BTEX (soil)	198	GC-FID	<0.5	mg/Kg	
Cadmium (Leachate)	128	ICPMS	0.105	ug/Kg	
Cadmium Solid (OES)	224	ICP-OES	<10.00	ug/Kg	
Chloride (Leachate WAC)	190	IC	2137.64	mg/Kg	
Chloride (Solid)	100	Colorimetry	5.91	mg/Kg	
Chromium (Leachate)	128	ICPMS	451.5	ug/Kg	
Chromium Solid (OES)	224	ICP-OES	16940.2	ug/Kg	
Chrysene (Soil)	200	GCMS	<0.05	mg/Kg	

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	Duleek Business Park	Date Testing Commenced	19/03/2014
	Duleek	Received or Collected	Delivered by Customer
	Co. Meath	Condition on Receipt	Acceptable
Customer PO		Date of Report	11/04/2014
Customer Ref	BH1 2.0m	Sample Type	Soil
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	_ي و Result	Units	Acc.
Copper (Leachate)	128	ICPMS	75.31	ug/Kg	
Copper Solid (OES)	224	ICP-OES	15916.8	ug/Kg	
Coronene (Soil)	200	GCMS	<0.05	mg/Kg	
Dibenzo(ah)anthracene (Soil)	200	GCMS se dt	<0.05	mg/Kg	
Dissolved Organic Carbon (Leachate	316	TOC Analyser	113.4	mg/Kg	
Ethylbenzene (Soil)	198	GC-FID ton & terr	<0.5	mg/Kg	
Fluoranthene (Soil)	200	GCMS pect with	<0.05	mg/Kg	
Fluorene (Soil)	200	GCMS institut	<0.05	mg/Kg	
Fluoride (Leachate WAC)	190	IC FOLDATE	4.90	mg/Kg	
Fluoride (Solid)	115	Colorimetry	2.05	mg/Kg	
Indeno(1,2,3-cd)pyrene (Soil)	200	GCMS A	<0.05	mg/Kg	
Lead (Leachate)	128	Colorimetry of CO GCMS ICPMS of S ICP-OES	23.54	ug/Kg	
Lead Solid (OES)	224	ICP-OES	7859.38	ug/Kg	
m-& p-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
Mercury (Leachate)	128	ICPMS	0.498	ug/Kg	
Mercury (Solid)	178	ICPMS	31.03	ug/Kg	
Mineral Oil (soil)	327	GC-FID	<2.5	mg/Kg	
Molybdenum (Leachate)	128	ICPMS	9.666	ug/Kg	
Molybdenum Solid (OES)	228	ICP-OES	267.593	ug/Kg	
Naphthalene (Soil)	200	GCMS	<0.05	mg/Kg	
Nickel (Leachate)	128	ICPMS	118.2	ug/Kg	
Nickel Solid (OES)	177	ICP-OES	23265.4	ug/Kg	
o-Xylene (Soil)	198	GC-FID	<0.5	mg/Kg	
PAH soil (Sum of 17)	200	GCMS	<0.05	mg/Kg	

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	Co. Meath	Condition on Receipt	Acceptable	
Customer PO		Date of Report	11/04/2014	
Customer Ref	BH1 2.0m	Sample Type	Soil	
Ref 2				

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique GCMS GCMS Colorimetry GCMS ICPMS ICP-OES IC Colorimetry TOC Analyse Constitution	esultي	Units	Acc.
PCB Total of 7 Congeners	167	GCMS	×et <0.005	mg/Kg	
Phenanthrene (Soil)	200	GCMS	<0.05	mg/Kg	
Phenol Index (Leachate)	128	Colorimetry	0.02	mg/Kg	
Pyrene (Soil)	200	GCMS Set A	<0.05	mg/Kg	
Selenium (Leachate)	128	ICPMS DIFERUITE	83.53	ug/Kg	
Selenium Solid (OES)	224	ICP-OES ion & ret	3064.55	ug/Kg	
Sulphate (Leachate WAC)	190	IC Decidante	52.44	mg/Kg	
Sulphate (Solid)	119	Colorimetry in the	21.06	mg/Kg as SO4	
TOC (Soil)	315	TOC Analyser	1.534	%	
Total Dissolved Solids (Leachate)	128	Evaporation/ Gravimetry	3070	mg/Kg	
Total Xylene (Soil)	198	GC-FID gent	<0.5	mg/Kg	
Zinc (Leachate)	128	ICPMS offse	195.1	ug/Kg	
Zinc Solid (OES)	224	ICP-OES	36912.5	ug/Kg	

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