

TEST REPORT

WAC ANALYTICAL RESULTS

Our Report No: 08-48310

Your Order No: 30971

CLIENT: Envirolab

1 soil samples submitted for analysis on 03 April 2008

DATE OF ISSUE: 10 April 2008

Project Name: A303 Horton

Project Code: 721450-4113

Lab Reference	307308				Landfill Waste Acceptance Criteria Limits		
Sampling Date	-				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Sample ID	81726 BH2 B6						
Sample Depth (m)	2.00						
Solid Waste Analysis							
092 Total Organic Carbon (%)	1.6				3	5	6
019 Loss on Ignition (%)	10				-	-	10
071 Sum of BTEX (mg/kg)	<0.15				6	-	-
039 Sum of 7 PCBs (mg/kg)	0.002				1	-	-
065 Mineral Oil (mg/kg)	< 25				500	-	-
022 PAH Sum of 17 (mg/kg)	<1.7				100	-	-
084 pH (pH Units)	7.6				-	>6	-
085 ANC to pH 6 (mol/kg)	< 0.10				-	to be evaluated	to be evaluated
085 ANC to pH 4 (mol/kg)	0.47				-	to be evaluated	to be evaluated
Eluate Analysis	2:1	8:1	2:1	Cumulative 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)		
	mg/l		mg/kg				
080 Arsenic	< 0.005	< 0.005	< 0.010	< 0.050	0.5	2	25
080 Barium	0.046	0.024	0.093	0.25	20	100	300
080 Cadmium	< 0.001	< 0.001	< 0.002	< 0.010	0.04	1	5
080 Chromium	< 0.005	< 0.005	< 0.010	< 0.050	0.5	10	70
080 Copper	0.02	0.013	0.039	0.13	2	50	100
080 Mercury	< 0.00005	< 0.00005	< 0.00010	< 0.00050	0.01	0.2	2
080 Molybdenum	0.066	0.071	0.13	0.71	0.5	10	30
080 Nickel	0.006	0.005	0.012	0.054	0.4	10	40
080 Lead	< 0.005	< 0.005	< 0.010	< 0.050	0.5	10	50
080 Antimony	< 0.001	< 0.001	< 0.002	< 0.010	0.06	0.7	5
080 Selenium	< 0.005	< 0.005	< 0.010	< 0.050	0.1	0.5	7
080 Zinc	0.01	< 0.005	0.02	< 0.050	4	50	200
086 Chloride	95	16	190	200	800	15000	25000
086 Fluoride	0.81	0.75	1.6	7.5	10	150	500
086 Sulphate as SO ₄	1700	1600	3300	16000	1000	20000	50000
029 Total Dissolved Solids	2500	2300	5000	23000	4000	60000	100000
020 Phenol Index	< 0.01	< 0.01	< 0.02	< 0.1	1	-	-
010 Dissolved Organic Carbon	20	8.60	40	92	500	800	1000
Leach Test Information							
084 pH (pH Units)	7.8	7.6					
084 Conductivity (µS/cm)	2530	2320					
078 Temperature (°C)	15.0	16.0					
021 Mass Sample (kg)	0.150						
021 Dry Matter (kg)	0.12						
021 Moisture (% Dry Weight)	25.3						
Stage 1							
078 Volume Leachant, L ₂ (l)	0.209						
078 Filtered Eluate Volume, VE ₁ (l)	0.062						
Stage 2							
078 Volume Leachant, L ₈ (l)	0.958						

Results are expressed on a dry weight basis, after correction for moisture content where applicable

Stated limits are for guidance only and ALcontrol cannot be held responsible for any discrepancies with current legislation