



Project Number: 24072115

Client: Merthyr (South Wales) Ltd

Date Issued: 26/07/2024

Project Name: Ffos-y-fran Land Reclamation S - Ffos-y-fran Land Reclamation Scheme



Analysis Results

				SOCOTEC Sample ID:	24072115-006	24072115-007	24072115-008	24072115-009
				Sampling Date:	09/07/2024 10:10	09/07/2024 11:15	09/07/2024 07:30	09/07/2024 11:45
				Customer ID:	MA7	MA10	Mine	Rhas Las
Method Code	Analysis	MDL	Accred.					
PHCONDW	pH	1 pH units	U					7.4
PHCONDW	Conductivity at 25°C	100 µS/cm	U					<100
WSLM20	BOD (5 day)	1 mg O2/l	U					1.1
WSLM20	Dissolved Oxygen	0.1 mg O2/l	N					11.9
WSLM11	COD (Settled)	5 mg/l	U					8
WSLM17	Acidity as CaCO3	2 mg/l	U					Nil
WSLM12	Total Alkalinity	2 mg/l	U					24.5
WSLM10	Total Suspended Solids	5 mg/l	U					<5
TOCW	Total Organic Carbon	0.4 mg/l	U					3.58
KONENS	Total Oxidised Nitrogen	0.2 mg/l	U					<0.2
KONENS	Nitrate as N	0.2 mg/l	U					<0.2
KONENS	Nitrite as N	0.01 mg/l	U					<0.01
KONENS	Ammoniacal Nitrogen as N	0.01 mg/l	U					0.09
KONENS	Chloride as Cl	1 mg/l	U					6
ISEF	Fluoride as F	0.1 mg/l	U					<0.1
SFAPI	Phenol Index	0.05 mg/l	U					<0.05
SFAPI	Sulphide as S	0.02 mg/l	U					0.04
ICPWATVAR (Dissolved)	Aluminium as Al	0.01 mg/l	U					0.09
ICPMSW (Dissolved)	Arsenic as As	0.001 mg/l	U					<0.001
ICPWATVAR (Dissolved)	Barium as Ba	0.01 mg/l	U					0.01
ICPWATVAR (Dissolved)	Boron as B	0.01 mg/l	U					<0.01
ICPMSW (Dissolved)	Cadmium as Cd	0.00002 mg/l	U					0.00003
ICPWATVAR (Dissolved)	Calcium as Ca	1 mg/l	U					7
ICPMSW (Dissolved)	Total Chromium as Cr	0.001 mg/l	U					<0.001
ICPMSW (Dissolved)	Copper as Cu	0.001 mg/l	U					0.002
ICPWATVAR (Dissolved)	Iron as Fe	0.01 mg/l	U					0.17
ICPMSW (Dissolved)	Lead as Pb	0.001 mg/l	U					<0.001
ICPWATVAR (Dissolved)	Magnesium as Mg	1 mg/l	U					1
ICPMSW (Dissolved)	Manganese as Mn	0.002 mg/l	U					0.019
ICPMSW (Dissolved)	Mercury as Hg	0.00003 mg/l	U					<0.00003
ICPMSW (Dissolved)	Molybdenum as Mo	0.001 mg/l	U					<0.001
ICPMSW (Dissolved)	Nickel as Ni	0.001 mg/l	U					0.002
ICPWATVART (Total)	Phosphorus as P	0.1 mg/l	N					<0.1
ICPWATVAR (Dissolved)	Potassium as K	1 mg/l	U					<1
ICPMSW (Dissolved)	Selenium as Se	0.001 mg/l	U					<0.001
ICPWATVAR (Dissolved)	Sodium as Na	1 mg/l	U					2
ICPWATVAR (Dissolved)	Total Sulphur as SO4	3 mg/l	U					3
ICPMSW (Dissolved)	Zinc as Zn	0.002 mg/l	U					0.016
PAHMSW	Acenaphthene	0.01 µg/l	U					<0.02 <sup>ED</sup>
	Acenaphthylene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Anthracene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Benzo[a]anthracene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Benzo[a]pyrene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Benzo[b]fluoranthene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Benzo[g,h,i]perylene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Benzo[k]fluoranthene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Chrysene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Dibenzo[a,h]anthracene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Fluoranthene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Fluorene	0.01 µg/l	U					<0.02 <sup>ED</sup>
	Indeno[1,2,3-cd]pyrene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Naphthalene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Phenanthrene	0.01 µg/l	U					<0.02 <sup>D</sup>
	Pyrene	0.01 µg/l	U					<0.02 <sup>D</sup>
Total PAH 16	0.16 µg/l	U					<0.25 <sup>D</sup>	
AHBLCMS	2,3,6-TBA	0.02 µg/l	U					
	2,4,5-T	0.03 µg/l	U					
	2,4-D	0.03 µg/l	U					
	2,4-DB	0.04 µg/l	U					
	2,4-Dinitrophenol	0.05 µg/l	U					
	Benazolin	0.04 µg/l	U					
	Bentazone	0.02 µg/l	U					
	Bromoxynil	0.03 µg/l	U					
	Clopyralid	0.02 µg/l	U					
	Dicamba	0.04 µg/l	U					
	Dichloroprop	0.02 µg/l	U					
	DNOC	0.04 µg/l	U					
	Fenoprop	0.02 µg/l	U					
	Fluroxypyr	0.03 µg/l	U					
	Ioxynil	0.04 µg/l	U					
	MCPA	0.02 µg/l	U					
	MCPB	0.02 µg/l	U					
	Mecoprop	0.02 µg/l	U					
Pentachlorophenol	0.04 µg/l	U						
Triclopyr	0.03 µg/l	U						
PCBECD	PCB 28	0.01 µg/l	N					<0.01
	PCB 52	0.01 µg/l	N					<0.01
	PCB 101	0.01 µg/l	N					<0.01
	PCB 118	0.01 µg/l	N					<0.01
	PCB 138	0.01 µg/l	N					<0.01
	PCB 153	0.01 µg/l	N					<0.01
PCB 180	0.01 µg/l	N					<0.01	