



esi.craig@sopris.net  
(970) 948-8978 Cell  
(970) 963-8556 Office

**TABLE 1**  
**Maralex Resources, Inc.**  
**Location: Coon Hollow #1 or (Federal #1)**  
**Reported Laboratory Results Representing:**  
**Pit Soil Characterization: Lab Report #B1304036**

	Laboratory Sample No.		B1304036	COGCC
	Sample Date		4/3/2013	Standards
	Sample Time		10:22 AM	
	Sample Name		Coon Hollow #1	
Parameter	Method	Units	Result	
<b>Total Metals</b>	SW6010B	mg/Kg		
Barium	SW6010B	mg/Kg	<0.49	15,000 mg/Kg
Boron	SW6010B	mg/Kg	<6.1	2 mg/L
Cadmium	SW6010B	mg/Kg	<0.98	70 mg/Kg
Chromium	SW6010B	mg/Kg	8.1	N/A
Copper	SW6010B	mg/Kg	8.4	3,100 mg/Kg
Lead	SW6010B	mg/Kg	12.0	400 mg/Kg
Nickel	SW6010B	mg/Kg	7.2	1,600 mg/Kg
Selenium	SW6010B	mg/Kg	<12	390 mg/Kg
Silver	SW6010B	mg/Kg	<1.8	390 mg/Kg
Zinc	SW6010B	mg/Kg	43.00	23,000 mg/Kg
Mercury	SW7471A - Mercury in Solid or Semisolid Waste by CVAA	mg/Kg	0	23 mg/Kg
Arsenic	Metals, Total - EPA SW846	mg/Kg	1.4	0.39 mg/Kg
Sodium Absorbtion Ratio	Sodium Absorbtion Ratio SW6010B	unitless	0.15	<12
Diesel Range Organics	SVOC by GC/ FID via method 8015B - DRO	mg/Kg	<b>890</b>	TPH - 500 mg/Kg

Semivoatile Organics	SW8270C - Semivoatile Organics by GC/MS - PAH	µg/Kg		
Acenaphthene		µg/Kg	<16	1,000 mg/Kg
Anthracene		µg/Kg	<34	1,000 mg/Kg
Benzo(a)anthracene		µg/Kg	<36	0.22 mg/Kg
Benzo(a)pyrene		µg/Kg	<29	0.022 mg/Kg
Benzo(b)fluoranthene		µg/Kg	<29	0.22 mg/Kg
Benzo(k)fluoranthene		µg/Kg	<35	2.2 mg/Kg
Chrysene		µg/Kg	<45	22 mg/Kg
Dibenzo(a,h)anthracene		µg/Kg	<28	0.022 mg/Kg
Fluoranthene		µg/Kg	<38	1,000 mg/Kg
Fluorene		µg/Kg	<31	1,000 mg/Kg
Indeno(1,2,3-cd)pyrene		µg/Kg	<28	0.22 mg/Kg
Napthalene		µg/Kg	<12	23 mg/Kg
Pyrene		µg/Kg	<67	1,000 mg/Kg
Gasoline Range Organics	VOC by GC/FID method 8015B - GRO	µg/Kg	<250	TPH 500 mg/kg
Chromium, Trivalent	SM3500-CrB - Chromium, Colorimetric Method Total Cr(III)cal	mg/Kg	8.1	120,000 mg/Kg
Chromium, Hexavalent - Soluble	SW7196A	mg/Kg	<5	23 mg/Kg
Conductance	Specific Conductance - Cond.	umhos /cm	490	<4 mmhos/cm or 2x background
pH	Corrosivity in Waste by pH - pH	pH	8.0	6-9
BTEX	Aromatic VOCs by GC/PID method 8021B - BTEX	µg/Kg		
Benzene		µg/Kg	<1.2	0.17 mg/Kg
Ethylbenzene		µg/Kg	<1.8	100 mg/kg
Toluene		µg/Kg	<1.2	85 mg/Kg
Xylenes, Total		µg/Kg	<3.7	175 mg/Kg

Note 1: Reported laboratory analyses have been compared to the COGCC Concentration Levels in Table 910-1 April 1, 2009.

Note 2: Three samples were collected to evaluate background concentrations in arsenic. These samples are identified as BGCH #1, #2, #3. Arsenic concentrations were reported at 1.2, 2.1, and 1.7 mg/kg respectively.