



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
S.C.A. - Servizi Consulenze Ed Analisi

took part in:
LEAP EFF Proficiency Test **EFF025**
Trace Metals in Soil in Soil

and were allocated laboratory number **68** .

The performance of the laboratory is shown in the relevant report, which is available from the secure pages at www.fapas.com

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Table 15: Results and z-Scores for Test Material 9

laboratory number	analyte									
	Cadmium		Chromium		Nickel		Lead		Copper	
	assigned value	43.0 mg Cd/kg	assigned value	57.8 mg Cr/kg	assigned value	50.8 mg Ni/kg	assigned value	82.9 mg Pb/kg	assigned value	56.5 mg Cu/kg
	result mg Cd/kg	z-score	result mg Cr/kg	z-score	result mg Ni/kg	z-score	result mg Pb/kg	z-score	result mg Cu/kg	z-score
028	41	-0.5	60	0.4	50	-0.2	70	-1.6	53	-0.6
039	37.8	-1.2	101	7.5	60.3	1.9	77.4	-0.7	67.4	1.9
051	38.15	-1.1	124.01	11.5	52.46	0.3	103.08	2.4	45.82	-1.9
053	41.5	-0.3	106	8.3	65	2.8	87	0.5	53	-0.6
060	53.7	2.5	84.0	4.5	64.1	2.6	112	3.5	53.7	-0.5
068	42.72	-0.1	49.99	-1.4	46.39	-0.9	75.19	-0.9	61.52	0.9
091	44.19	0.3	82.00	4.2	46.83	-0.8	106.56	2.9	39.86	-2.9

z-scores outside the satisfactory range, i.e. $|z| > 2$, are shown in **bold**

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Table 15 (continued): Results and z-Scores for Test Material 9

laboratory number	analyte							
	Zinc		Arsenic		Mercury		Barium	
	assigned value	94.3 mg Zn/kg	assigned value	33.4 mg As/kg	assigned value	2.40 mg Hg/kg	assigned value	239 mg Ba/kg
	result mg Zn/kg	z-score	result mg As/kg	z-score	result mg Hg/kg	z-score	result mg Ba/kg	z-score
028	90	-0.5	39	1.7	1.9	-2.1	230	-0.4
039	88.6	-0.6	37.7	1.3	2.79	1.6	248	0.4
051								
053	101	0.7	35	0.5	2.3	-0.4	267	1.2
060	112	1.9	47.8	4.3	1.82	-2.4	273	1.4
068	102.47	0.9						
091	71.84	-2.4	45.29	3.6	2.45	0.2		

z-scores outside the satisfactory range, i.e. $|z| > 2$, are shown in **bold**

