

TEST REPORT n° 129016/06

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Customer ERM ITALIA Srl
Address Via San Gregorio, 38
20154 Milano
Project/Contract 0051052
Matrix Type Soil Green Areas
Date received 20-giu-06
Customer Sample ID MW1 (39,5) **Type N**
Laboratory Sample ID 01 / 20420
Test Report date of issue 30-giu-06
Sampling Date 16-giu-06
Sampling Procedure Sampling activity carried out by the Customer
Notes

Compound Name	Amount and MU	UM	Date Prep Anal	MDL	Test Method Technique Prep Method
# pentaerythrite as total and on dry basis at 105°C	<0,048	mg/Kg	22/06/2006 - 23/06/2006	0,048	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,012	mg/Kg	23/06/2006 - 23/06/2006	0,012	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	61,4	%	21/06/2006 - 21/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	89,8	%	20/06/2006 - 21/06/2006		IRSA Q 64 2.4.1/84 Gravimetry IRSA Q 64 2.4.1/84
Metals					
0 arsenic as total and on dry basis at 105°C	1,49 ± 0,37	mg/Kg	22/06/2006 - 22/06/2006	0,035	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,0395 ± 0,0099	mg/Kg	22/06/2006 - 22/06/2006	0,0031	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	8,02 ± 2,0	mg/Kg	22/06/2006 - 22/06/2006	0,031	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	<0,029	mg/Kg	22/06/2006 - 22/06/2006	0,029	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	10,6 ± 2,6	mg/Kg	22/06/2006 - 22/06/2006	0,074	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	0,988 ± 0,25	mg/Kg	22/06/2006 - 22/06/2006	0,041	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	4,9 ± 1,2	mg/Kg	22/06/2006 - 22/06/2006	0,082	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	16,1 ± 4,0	mg/Kg	22/06/2006 - 22/06/2006	0,15	EPA 6020A/98 ICP-MS EPA 3051A/98

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
0 chromium (VI) as total and on dry basis at 105°C	0,0402 ± 0,012	mg/Kg	23/06/2006 - 23/06/2006		0,01	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,00738 ± 0,0022	mg/Kg	23/06/2006 - 24/06/2006		0,000079	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0194 ± 0,0058	mg/Kg	23/06/2006 - 24/06/2006		0,00037	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<1,3	mg/Kg	21/06/2006 - 22/06/2006		1,3	EPA 8015D/03 GC/FID EPA 3550B/96
0 TPH < C12 as total and on dry basis at 105°C	<0,055	mg/Kg	21/06/2006 - 21/06/2006		0,055	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,0028	mg/Kg	21/06/2006 - 22/06/2006		0,0028	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,0007	mg/Kg	21/06/2006 - 21/06/2006		0,0007	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00049	mg/Kg	21/06/2006 - 21/06/2006		0,00049	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,001	mg/Kg	21/06/2006 - 21/06/2006		0,001	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0011	mg/Kg	21/06/2006 - 21/06/2006		0,0011	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00054	mg/Kg	21/06/2006 - 21/06/2006		0,00054	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0034	mg/Kg	21/06/2006 - 21/06/2006		0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0027	mg/Kg	21/06/2006 - 21/06/2006		0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,0012	mg/Kg	21/06/2006 - 21/06/2006		0,0012	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0036	mg/Kg	21/06/2006 - 21/06/2006		0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0034	mg/Kg	21/06/2006 - 21/06/2006		0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0032	mg/Kg	21/06/2006 - 21/06/2006		0,0032	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0039	mg/Kg	21/06/2006 - 21/06/2006		0,0039	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0037	mg/Kg	21/06/2006 - 21/06/2006		0,0037	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0035	mg/Kg	21/06/2006 - 21/06/2006		0,0035	EPA 8270D/98 GC/MS EPA 3550C/00

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			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0045	mg/Kg	-----	21/06/2006	0,0045	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0042	mg/Kg	21/06/2006	21/06/2006	0,0042	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0029	mg/Kg	21/06/2006	21/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0027	mg/Kg	21/06/2006	21/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0032	mg/Kg	21/06/2006	21/06/2006	0,0032	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0038	mg/Kg	21/06/2006	21/06/2006	0,0038	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0027	mg/Kg	21/06/2006	21/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0041	mg/Kg	21/06/2006	21/06/2006	0,0041	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0038	mg/Kg	21/06/2006	21/06/2006	0,0038	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,003	mg/Kg	21/06/2006	21/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0045	mg/Kg	21/06/2006	21/06/2006	0,0045	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0025	mg/Kg	21/06/2006	21/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,003	mg/Kg	21/06/2006	21/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0039	mg/Kg	21/06/2006	21/06/2006	0,0039	EPA 8270D/98 GC/MS EPA 3550C/00

Test Report End

Parameters flagged with # have been carried out using test methods which are not included in the accredited tests list submitted to the Italian Accreditation Body SINAL.

Accredited parameters are flagged with a number designating the category for which they have been accredited for by the Italian Accreditation Body SINAL.

For the accredited test, run in compliance with the modality described in the Accreditation itself. SINAL guarantees:

the competence of the personnel, the availability of suitable instrumentation, and the compliance of the test to the recalled Test Method or Procedure.

"MDL" values indicate, if applicable, the Method Detection Limit (amended by all applicable correction coefficients) for each tested parameter according to the recalled Test Method or Procedure.

The reported Measurement Uncertainty is an Expanded calculated using a coverage factor of 2 with 95% confidence level.

Technical Manager



Laboratory Manager

