

TEST REPORT n° 129000/06

All results reported in this Test Report are exclusively and specifically referred to the submitted sample. The present Test Report can be reproduced only in its entirety. The present Test Report must not be altered in any part or parts or copied for promotional or advertising purposes without the written authorisation of THEOLAB S.r.l.. The present Test Report consists of 3 page(s)

Customer ERM ITALIA Srl
Address Via San Gregorio, 38
20154 Milano
Project/Contract 0051052
Matrix Type Soil Green Areas
Date received 15-giu-06
Customer Sample ID MW2 (39,5) **Type N**
Laboratory Sample ID 01 / 20357
Test Report date of issue 30-giu-06
Sampling Date 12-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	<0,047	mg/Kg	22/06/2006 - 22/06/2006	0,047	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0073	mg/Kg	20/06/2006 - 20/06/2006	0,0073	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	61,6	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	90,6	%	16/06/2006 - 19/06/2006		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	2,73 ± 0,68	mg/Kg	19/06/2006 - 19/06/2006	0,032	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,0483 ± 0,012	mg/Kg	19/06/2006 - 19/06/2006	0,0028	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	11,4 ± 2,8	mg/Kg	19/06/2006 - 19/06/2006	0,028	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	0,0272 ± 0,0068	mg/Kg	19/06/2006 - 19/06/2006	0,026	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	18,1 ± 4,5	mg/Kg	19/06/2006 - 19/06/2006	0,068	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	1,72 ± 0,43	mg/Kg	19/06/2006 - 19/06/2006	0,037	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	6,84 ± 1,7	mg/Kg	19/06/2006 - 19/06/2006	0,074	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	15,9 ± 4,0	mg/Kg	19/06/2006 - 19/06/2006	0,13	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	0,0515 ± 0,015	mg/Kg	19/06/2006	19/06/2006	0,01	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,128 ± 0,038	mg/Kg	19/06/2006	20/06/2006	0,000095	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,376 ± 0,11	mg/Kg	19/06/2006	20/06/2006	0,00044	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<1,2	mg/Kg	19/06/2006	20/06/2006	1,2	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,11	mg/Kg	19/06/2006	20/06/2006	0,11	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	0,0697 ± 0,021	mg/Kg	20/06/2006	20/06/2006	0,052	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,0015	mg/Kg	19/06/2006	20/06/2006	0,0015	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,001	mg/Kg	19/06/2006	20/06/2006	0,001	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006	20/06/2006	0,0021	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	20/06/2006	0,0022	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	20/06/2006	0,0011	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0039	mg/Kg	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	0,0035	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0044	mg/Kg	-----	19/06/2006	0,0044	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0042	mg/Kg	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0044	mg/Kg	19/06/2006	19/06/2006	0,0044	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	19/06/2006	19/06/2006	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	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0038	mg/Kg	19/06/2006	19/06/2006	0,0038	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



TEST REPORT n° 129001/06

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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 15-giu-06
Customer Sample ID BH4 (3,5) **Type N**
Laboratory Sample ID 02 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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	<0,047	mg/Kg	22/06/2006 - 22/06/2006	0,047	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0041	mg/Kg	20/06/2006 - 20/06/2006	0,0041	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	35	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	89,2	%	16/06/2006 - 19/06/2006		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	8,29 ± 2,1	mg/Kg	19/06/2006 - 19/06/2006	0,056	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,391 ± 0,098	mg/Kg	19/06/2006 - 19/06/2006	0,0049	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	32,5 ± 8,1	mg/Kg	19/06/2006 - 19/06/2006	0,049	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	<0,045	mg/Kg	19/06/2006 - 19/06/2006	0,045	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	32,2 ± 8,0	mg/Kg	19/06/2006 - 19/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	3,14 ± 0,79	mg/Kg	19/06/2006 - 19/06/2006	0,064	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	29,6 ± 7,4	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	97 ± 24,0	mg/Kg	19/06/2006 - 19/06/2006	0,23	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	0,0582 ± 0,017	mg/Kg	19/06/2006	19/06/2006	0,0055	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0063 ± 0,0019	mg/Kg	19/06/2006	21/06/2006	0,000054	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0309 ± 0,0093	mg/Kg	19/06/2006	21/06/2006	0,00025	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<0,76	mg/Kg	19/06/2006	20/06/2006	0,76	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,027	mg/Kg	19/06/2006	20/06/2006	0,027	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	0,0492 ± 0,015	mg/Kg	20/06/2006	20/06/2006	0,033	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00034	mg/Kg	19/06/2006	20/06/2006	0,00034	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00024	mg/Kg	19/06/2006	20/06/2006	0,00024	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0005	mg/Kg	19/06/2006	20/06/2006	0,0005	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,00052	mg/Kg	19/06/2006	20/06/2006	0,00052	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00026	mg/Kg	19/06/2006	20/06/2006	0,00026	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0017	mg/Kg	19/06/2006	19/06/2006	0,0017	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,00077	mg/Kg	19/06/2006	19/06/2006	0,00077	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0029	mg/Kg	-----	19/06/2006	0,0029	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0019	mg/Kg	19/06/2006	19/06/2006	0,0019	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0018	mg/Kg	19/06/2006	19/06/2006	0,0018	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0018	mg/Kg	19/06/2006	19/06/2006	0,0018	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	19/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0016	mg/Kg	19/06/2006	19/06/2006	0,0016	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0019	mg/Kg	19/06/2006	19/06/2006	0,0019	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00

Test Report End

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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



TEST REPORT n° 129002/06

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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 15-giu-06
Customer Sample ID BH4 (6,4) **Type N**
Laboratory Sample ID 03 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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	<0,053	mg/Kg	22/06/2006 - 22/06/2006	0,053	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0072	mg/Kg	20/06/2006 - 20/06/2006	0,0072	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	54,2	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	83,3	%	16/06/2006 - 19/06/2006		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	11,5 ± 2,9	mg/Kg	19/06/2006 - 19/06/2006	0,055	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,57 ± 0,14	mg/Kg	19/06/2006 - 19/06/2006	0,0048	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	22,5 ± 5,6	mg/Kg	19/06/2006 - 19/06/2006	0,048	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	<0,045	mg/Kg	19/06/2006 - 19/06/2006	0,045	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	17,4 ± 4,3	mg/Kg	19/06/2006 - 19/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	4,64 ± 1,2	mg/Kg	19/06/2006 - 19/06/2006	0,063	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	20,1 ± 5,0	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	73,7 ± 18,0	mg/Kg	19/06/2006 - 19/06/2006	0,23	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	0,0205 ± 0,0062	mg/Kg	19/06/2006	19/06/2006	0,0092	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,011 ± 0,0033	mg/Kg	19/06/2006	21/06/2006	0,000094	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,697 ± 0,21	mg/Kg	19/06/2006	21/06/2006	0,00043	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<1,1	mg/Kg	19/06/2006	20/06/2006	1,1	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,045	mg/Kg	19/06/2006	20/06/2006	0,045	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,056	mg/Kg	20/06/2006	21/06/2006	0,056	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00057	mg/Kg	19/06/2006	20/06/2006	0,00057	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,0004	mg/Kg	19/06/2006	20/06/2006	0,0004	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,00084	mg/Kg	19/06/2006	20/06/2006	0,00084	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,00088	mg/Kg	19/06/2006	20/06/2006	0,00088	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00044	mg/Kg	19/06/2006	20/06/2006	0,00044	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0032	mg/Kg	19/06/2006	19/06/2006	0,0032	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	19/06/2006	0,0011	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0034	mg/Kg	19/06/2006	19/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0032	mg/Kg	19/06/2006	19/06/2006	0,0032	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0037	mg/Kg	19/06/2006	19/06/2006	0,0037	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0035	mg/Kg	19/06/2006	19/06/2006	0,0035	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0042	mg/Kg	-----	19/06/2006	0,0042	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0039	mg/Kg	19/06/2006	19/06/2006	0,0039	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	19/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	19/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0039	mg/Kg	19/06/2006	19/06/2006	0,0039	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	19/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0042	mg/Kg	19/06/2006	19/06/2006	0,0042	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	19/06/2006	0,0036	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



TEST REPORT n° 129003/06

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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 15-giu-06
Customer Sample ID BH4 (9,9) **Type N**
Laboratory Sample ID 04 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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	<0,044	mg/Kg	22/06/2006 - 22/06/2006	0,044	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0051	mg/Kg	20/06/2006 - 20/06/2006	0,0051	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	46,4	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	91,7	%	16/06/2006 - 19/06/2006		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	4,57 ± 1,1	mg/Kg	19/06/2006 - 19/06/2006	0,055	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,128 ± 0,032	mg/Kg	19/06/2006 - 19/06/2006	0,0048	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	11,4 ± 2,9	mg/Kg	19/06/2006 - 19/06/2006	0,049	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	<0,045	mg/Kg	19/06/2006 - 19/06/2006	0,045	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	10,1 ± 2,5	mg/Kg	19/06/2006 - 19/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	2,16 ± 0,54	mg/Kg	19/06/2006 - 19/06/2006	0,064	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	7,78 ± 1,9	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	26,7 ± 6,7	mg/Kg	19/06/2006 - 19/06/2006	0,23	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	0,0238 ± 0,0071	mg/Kg	19/06/2006	19/06/2006	0,0066	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0152 ± 0,0046	mg/Kg	19/06/2006	21/06/2006	0,000066	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,11 ± 0,033	mg/Kg	19/06/2006	21/06/2006	0,0003	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<0,96	mg/Kg	19/06/2006	20/06/2006	0,96	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,068	mg/Kg	19/06/2006	20/06/2006	0,068	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,044	mg/Kg	20/06/2006	21/06/2006	0,044	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00086	mg/Kg	19/06/2006	20/06/2006	0,00086	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,0006	mg/Kg	19/06/2006	20/06/2006	0,0006	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0013	mg/Kg	19/06/2006	20/06/2006	0,0013	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0013	mg/Kg	19/06/2006	20/06/2006	0,0013	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00066	mg/Kg	19/06/2006	20/06/2006	0,00066	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006	19/06/2006	0,0021	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,00095	mg/Kg	19/06/2006	19/06/2006	0,00095	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	19/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0036	mg/Kg	-----	19/06/2006	0,0036	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	19/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	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



TEST REPORT n° 129004/06

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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 15-giu-06
Customer Sample ID BH5 (3,2) **Type N**
Laboratory Sample ID 05 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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	<0,044	mg/Kg	22/06/2006 - 22/06/2006	0,044	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0054	mg/Kg	20/06/2006 - 20/06/2006	0,0054	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	50,1	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	93,3	%	16/06/2006 - 19/06/2006		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	19,5 ± 4,9	mg/Kg	19/06/2006 - 19/06/2006	0,056	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,347 ± 0,087	mg/Kg	19/06/2006 - 19/06/2006	0,0048	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	32,8 ± 8,2	mg/Kg	19/06/2006 - 19/06/2006	0,049	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	0,904 ± 0,23	mg/Kg	19/06/2006 - 19/06/2006	0,045	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	23,6 ± 5,9	mg/Kg	19/06/2006 - 19/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	65,1 ± 16,0	mg/Kg	19/06/2006 - 19/06/2006	0,064	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	57,9 ± 14,0	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	117 ± 29,0	mg/Kg	19/06/2006 - 19/06/2006	0,23	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	0,102 ± 0,031	mg/Kg	19/06/2006	19/06/2006	0,0082	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0129 ± 0,0039	mg/Kg	19/06/2006	21/06/2006	0,000071	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,328 ± 0,098	mg/Kg	19/06/2006	21/06/2006	0,00033	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	62,8 ± 19,0	mg/Kg	19/06/2006	20/06/2006	1,1	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,085	mg/Kg	19/06/2006	20/06/2006	0,085	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,045	mg/Kg	20/06/2006	21/06/2006	0,045	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	20/06/2006	0,0011	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00075	mg/Kg	19/06/2006	20/06/2006	0,00075	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0016	mg/Kg	19/06/2006	20/06/2006	0,0016	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0017	mg/Kg	19/06/2006	20/06/2006	0,0017	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00083	mg/Kg	19/06/2006	20/06/2006	0,00083	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,029	mg/Kg	19/06/2006	20/06/2006	0,029	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,023	mg/Kg	19/06/2006	20/06/2006	0,023	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,01	mg/Kg	19/06/2006	20/06/2006	0,01	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,031	mg/Kg	19/06/2006	20/06/2006	0,031	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,03	mg/Kg	19/06/2006	20/06/2006	0,03	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,027	mg/Kg	19/06/2006	20/06/2006	0,027	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,034	mg/Kg	19/06/2006	20/06/2006	0,034	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,033	mg/Kg	19/06/2006	20/06/2006	0,033	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,03	mg/Kg	19/06/2006	20/06/2006	0,03	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	0,818 ± 0,25	mg/Kg	-----	20/06/2006	0,039	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	0,0754 ± 0,023	mg/Kg	19/06/2006	20/06/2006	0,037	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	0,128 ± 0,038	mg/Kg	19/06/2006	20/06/2006	0,025	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	0,0717 ± 0,022	mg/Kg	19/06/2006	20/06/2006	0,024	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	0,105 ± 0,032	mg/Kg	19/06/2006	20/06/2006	0,028	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,033	mg/Kg	19/06/2006	20/06/2006	0,033	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	0,0991 ± 0,03	mg/Kg	19/06/2006	20/06/2006	0,024	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,036	mg/Kg	19/06/2006	20/06/2006	0,036	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,033	mg/Kg	19/06/2006	20/06/2006	0,033	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,026	mg/Kg	19/06/2006	20/06/2006	0,026	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,039	mg/Kg	19/06/2006	20/06/2006	0,039	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,022	mg/Kg	19/06/2006	20/06/2006	0,022	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	0,0823 ± 0,025	mg/Kg	19/06/2006	20/06/2006	0,026	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	0,257 ± 0,077	mg/Kg	19/06/2006	20/06/2006	0,034	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.

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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



TEST REPORT n° 129005/06

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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 15-giu-06
Customer Sample ID BH5 (7,2) **Type N**
Laboratory Sample ID 06 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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 - 22/06/2006	0,048	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0071	mg/Kg	20/06/2006 - 20/06/2006	0,0071	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	59,9	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	86,1	%	16/06/2006 - 19/06/2006		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	14,6 ± 3,7	mg/Kg	19/06/2006 - 19/06/2006	0,054	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,306 ± 0,077	mg/Kg	19/06/2006 - 19/06/2006	0,0047	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	31,5 ± 7,9	mg/Kg	19/06/2006 - 19/06/2006	0,048	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	<0,044	mg/Kg	19/06/2006 - 19/06/2006	0,044	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	20,6 ± 5,2	mg/Kg	19/06/2006 - 19/06/2006	0,11	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	3,82 ± 0,96	mg/Kg	19/06/2006 - 19/06/2006	0,062	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	18,3 ± 4,6	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	58,4 ± 15,0	mg/Kg	19/06/2006 - 19/06/2006	0,22	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	0,0315 ± 0,0095	mg/Kg	19/06/2006	19/06/2006	0,0096	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0153 ± 0,0046	mg/Kg	19/06/2006	21/06/2006	0,000092	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,427 ± 0,13	mg/Kg	19/06/2006	21/06/2006	0,00043	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	19/06/2006	20/06/2006	1,3	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,093	mg/Kg	19/06/2006	20/06/2006	0,093	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,062	mg/Kg	20/06/2006	21/06/2006	0,062	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,0012	mg/Kg	19/06/2006	20/06/2006	0,0012	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00082	mg/Kg	19/06/2006	20/06/2006	0,00082	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0017	mg/Kg	19/06/2006	20/06/2006	0,0017	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0018	mg/Kg	19/06/2006	20/06/2006	0,0018	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00091	mg/Kg	19/06/2006	20/06/2006	0,00091	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	19/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,0013	mg/Kg	19/06/2006	19/06/2006	0,0013	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0038	mg/Kg	19/06/2006	19/06/2006	0,0038	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	19/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0041	mg/Kg	19/06/2006	19/06/2006	0,0041	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0039	mg/Kg	19/06/2006	19/06/2006	0,0039	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0037	mg/Kg	19/06/2006	19/06/2006	0,0037	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0047	mg/Kg	-----	19/06/2006	0,0047	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0044	mg/Kg	19/06/2006	19/06/2006	0,0044	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	19/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,004	mg/Kg	19/06/2006	19/06/2006	0,004	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	19/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0044	mg/Kg	19/06/2006	19/06/2006	0,0044	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,004	mg/Kg	19/06/2006	19/06/2006	0,004	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0032	mg/Kg	19/06/2006	19/06/2006	0,0032	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0047	mg/Kg	19/06/2006	19/06/2006	0,0047	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0041	mg/Kg	19/06/2006	19/06/2006	0,0041	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.

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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



TEST REPORT n° 129006/06

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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 15-giu-06
Customer Sample ID BH5 (9,8) **Type N**
Laboratory Sample ID 07 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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	<0,054	mg/Kg	22/06/2006 - 22/06/2006	0,054	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,007	mg/Kg	20/06/2006 - 20/06/2006	0,007	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	51,8	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	74,6	%	16/06/2006 - 19/06/2006		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	8,46 ± 2,1	mg/Kg	19/06/2006 - 19/06/2006	0,057	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,165 ± 0,041	mg/Kg	19/06/2006 - 19/06/2006	0,005	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	13,3 ± 3,3	mg/Kg	19/06/2006 - 19/06/2006	0,05	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	<0,046	mg/Kg	19/06/2006 - 19/06/2006	0,046	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	15,2 ± 3,8	mg/Kg	19/06/2006 - 19/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	3,86 ± 0,96	mg/Kg	19/06/2006 - 19/06/2006	0,066	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	13,5 ± 3,4	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	39,9 ± 10,0	mg/Kg	19/06/2006 - 19/06/2006	0,24	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	0,0369 ± 0,011	mg/Kg	19/06/2006	19/06/2006	0,0081	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,021 ± 0,0063	mg/Kg	19/06/2006	21/06/2006	0,00009	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,351 ± 0,11	mg/Kg	19/06/2006	21/06/2006	0,00042	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<1,1	mg/Kg	19/06/2006	20/06/2006	1,1	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,046	mg/Kg	19/06/2006	20/06/2006	0,046	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,064	mg/Kg	20/06/2006	21/06/2006	0,064	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00058	mg/Kg	19/06/2006	20/06/2006	0,00058	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,0004	mg/Kg	19/06/2006	20/06/2006	0,0004	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,00085	mg/Kg	19/06/2006	20/06/2006	0,00085	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,00089	mg/Kg	19/06/2006	20/06/2006	0,00089	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00045	mg/Kg	19/06/2006	20/06/2006	0,00045	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	19/06/2006	0,0011	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	19/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0035	mg/Kg	19/06/2006	19/06/2006	0,0035	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0034	mg/Kg	19/06/2006	19/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0032	mg/Kg	19/06/2006	19/06/2006	0,0032	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0041	mg/Kg	-----	19/06/2006	0,0041	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0038	mg/Kg	19/06/2006	19/06/2006	0,0038	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	19/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	19/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0035	mg/Kg	19/06/2006	19/06/2006	0,0035	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0038	mg/Kg	19/06/2006	19/06/2006	0,0038	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0035	mg/Kg	19/06/2006	19/06/2006	0,0035	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0041	mg/Kg	19/06/2006	19/06/2006	0,0041	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0035	mg/Kg	19/06/2006	19/06/2006	0,0035	EPA 8270D/98 GC/MS EPA 3550C/00

Test Report End

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"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



TEST REPORT n° 129007/06

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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 15-giu-06
Customer Sample ID BH2 (3,2) **Type N**
Laboratory Sample ID 08 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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	<0,047	mg/Kg	22/06/2006 - 22/06/2006	0,047	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0057	mg/Kg	20/06/2006 - 20/06/2006	0,0057	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	47,9	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	93,9	%	16/06/2006 - 19/06/2006		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	19,7 ± 4,9	mg/Kg	19/06/2006 - 19/06/2006	0,055	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,151 ± 0,038	mg/Kg	19/06/2006 - 19/06/2006	0,0048	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	14,3 ± 3,6	mg/Kg	19/06/2006 - 19/06/2006	0,049	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	0,066 ± 0,016	mg/Kg	19/06/2006 - 19/06/2006	0,045	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	13,8 ± 3,4	mg/Kg	19/06/2006 - 19/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	4,06 ± 1,0	mg/Kg	19/06/2006 - 19/06/2006	0,064	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	26,6 ± 6,6	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	53,9 ± 13,0	mg/Kg	19/06/2006 - 19/06/2006	0,23	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	0,0389 ± 0,012	mg/Kg	19/06/2006	19/06/2006	0,008	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0114 ± 0,0034	mg/Kg	19/06/2006	21/06/2006	0,000074	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0157 ± 0,0047	mg/Kg	19/06/2006	21/06/2006	0,00034	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	6,26 ± 1,9	mg/Kg	19/06/2006	20/06/2006	0,96	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	0,84 ± 0,25	mg/Kg	19/06/2006	20/06/2006	0,064	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,043	mg/Kg	20/06/2006	21/06/2006	0,043	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00081	mg/Kg	19/06/2006	20/06/2006	0,00081	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00057	mg/Kg	19/06/2006	20/06/2006	0,00057	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	0,00429 ± 0,0013	mg/Kg	19/06/2006	20/06/2006	0,0012	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0013	mg/Kg	19/06/2006	20/06/2006	0,0013	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00063	mg/Kg	19/06/2006	20/06/2006	0,00063	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006	19/06/2006	0,0021	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,00094	mg/Kg	19/06/2006	19/06/2006	0,00094	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0035	mg/Kg	-----	19/06/2006	0,0035	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006	19/06/2006	0,0021	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0035	mg/Kg	19/06/2006	19/06/2006	0,0035	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	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



TEST REPORT n° 129008/06

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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 15-giu-06
Customer Sample ID BH2 (5,6) **Type N**
Laboratory Sample ID 09 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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	<0,044	mg/Kg	22/06/2006 - 22/06/2006	0,044	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0046	mg/Kg	20/06/2006 - 20/06/2006	0,0046	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	41,3	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	88,8	%	16/06/2006 - 19/06/2006		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	17,3 ± 4,3	mg/Kg	19/06/2006 - 19/06/2006	0,055	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,183 ± 0,046	mg/Kg	19/06/2006 - 19/06/2006	0,0048	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	17,8 ± 4,4	mg/Kg	19/06/2006 - 19/06/2006	0,049	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	<0,045	mg/Kg	19/06/2006 - 19/06/2006	0,045	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	16,2 ± 4,1	mg/Kg	19/06/2006 - 19/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	4,64 ± 1,2	mg/Kg	19/06/2006 - 19/06/2006	0,064	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	10,7 ± 2,7	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	53,9 ± 13,0	mg/Kg	19/06/2006 - 19/06/2006	0,23	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	0,0227 ± 0,0068	mg/Kg	19/06/2006	19/06/2006	0,0059	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0101 ± 0,003	mg/Kg	19/06/2006	21/06/2006	0,00006	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0174 ± 0,0052	mg/Kg	19/06/2006	21/06/2006	0,00028	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<0,87	mg/Kg	19/06/2006	20/06/2006	0,87	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,031	mg/Kg	19/06/2006	20/06/2006	0,031	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,036	mg/Kg	20/06/2006	21/06/2006	0,036	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00039	mg/Kg	19/06/2006	20/06/2006	0,00039	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00027	mg/Kg	19/06/2006	20/06/2006	0,00027	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,00057	mg/Kg	19/06/2006	20/06/2006	0,00057	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0006	mg/Kg	19/06/2006	20/06/2006	0,0006	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,0003	mg/Kg	19/06/2006	20/06/2006	0,0003	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,00087	mg/Kg	19/06/2006	19/06/2006	0,00087	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	19/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	19/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	19/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0033	mg/Kg	-----	19/06/2006	0,0033	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006	19/06/2006	0,0021	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0019	mg/Kg	19/06/2006	19/06/2006	0,0019	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	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



TEST REPORT n° 129009/06

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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 15-giu-06
Customer Sample ID BH2 (9,5) **Type N**
Laboratory Sample ID 10 / 20357
Test Report date of issue 30-giu-06
Sampling Date 13-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	<0,042	mg/Kg	22/06/2006 - 22/06/2006	0,042	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0036	mg/Kg	20/06/2006 - 20/06/2006	0,0036	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	35,1	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	96,9	%	16/06/2006 - 19/06/2006		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	6,17 ± 1,5	mg/Kg	19/06/2006 - 19/06/2006	0,057	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,114 ± 0,028	mg/Kg	19/06/2006 - 19/06/2006	0,005	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	15,2 ± 3,8	mg/Kg	19/06/2006 - 19/06/2006	0,051	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	0,224 ± 0,056	mg/Kg	19/06/2006 - 19/06/2006	0,047	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	9,06 ± 2,3	mg/Kg	19/06/2006 - 19/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	1,97 ± 0,49	mg/Kg	19/06/2006 - 19/06/2006	0,066	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	9,61 ± 2,4	mg/Kg	19/06/2006 - 19/06/2006	0,13	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	25,3 ± 6,3	mg/Kg	19/06/2006 - 19/06/2006	0,24	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	0,0231 ± 0,0069	mg/Kg	19/06/2006	19/06/2006	0,0055	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,00898 ± 0,0027	mg/Kg	19/06/2006	21/06/2006	0,000047	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0182 ± 0,0055	mg/Kg	19/06/2006	21/06/2006	0,00022	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<0,75	mg/Kg	19/06/2006	20/06/2006	0,75	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,032	mg/Kg	19/06/2006	20/06/2006	0,032	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,034	mg/Kg	20/06/2006	21/06/2006	0,034	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,0004	mg/Kg	19/06/2006	20/06/2006	0,0004	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00028	mg/Kg	19/06/2006	20/06/2006	0,00028	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,00059	mg/Kg	19/06/2006	20/06/2006	0,00059	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,00062	mg/Kg	19/06/2006	20/06/2006	0,00062	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	0,00153 ± 0,00046	mg/Kg	19/06/2006	20/06/2006	0,00031	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0019	mg/Kg	19/06/2006	19/06/2006	0,0019	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0015	mg/Kg	19/06/2006	19/06/2006	0,0015	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,00067	mg/Kg	19/06/2006	19/06/2006	0,00067	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0019	mg/Kg	19/06/2006	19/06/2006	0,0019	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0018	mg/Kg	19/06/2006	19/06/2006	0,0018	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006	19/06/2006	0,0021	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0025	mg/Kg	-----	19/06/2006	0,0025	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0016	mg/Kg	19/06/2006	19/06/2006	0,0016	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0015	mg/Kg	19/06/2006	19/06/2006	0,0015	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0018	mg/Kg	19/06/2006	19/06/2006	0,0018	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006	19/06/2006	0,0021	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0015	mg/Kg	19/06/2006	19/06/2006	0,0015	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006	19/06/2006	0,0021	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0017	mg/Kg	19/06/2006	19/06/2006	0,0017	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0014	mg/Kg	19/06/2006	19/06/2006	0,0014	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0017	mg/Kg	19/06/2006	19/06/2006	0,0017	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	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


TEST REPORT n° 129010/06

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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 15-giu-06
Customer Sample ID BH3 (2,9) **Type N**
Laboratory Sample ID 11 / 20357
Test Report date of issue 30-giu-06
Sampling Date 14-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	<0,046	mg/Kg	22/06/2006 - 22/06/2006	0,046	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0064	mg/Kg	20/06/2006 - 20/06/2006	0,0064	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	55,2	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	92,7	%	16/06/2006 - 19/06/2006		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	6,56 ± 1,6	mg/Kg	21/06/2006 - 21/06/2006	0,028	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,0514 ± 0,013	mg/Kg	21/06/2006 - 21/06/2006	0,0024	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	9,17 ± 2,3	mg/Kg	21/06/2006 - 21/06/2006	0,025	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	0,275 ± 0,069	mg/Kg	21/06/2006 - 21/06/2006	0,023	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	4,71 ± 1,2	mg/Kg	21/06/2006 - 21/06/2006	0,059	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	2,41 ± 0,6	mg/Kg	21/06/2006 - 21/06/2006	0,032	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	9,36 ± 2,3	mg/Kg	21/06/2006 - 21/06/2006	0,064	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	27,7 ± 6,9	mg/Kg	21/06/2006 - 21/06/2006	0,12	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	0,0571 ± 0,017	mg/Kg	19/06/2006	19/06/2006	0,0086	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0198 ± 0,006	mg/Kg	19/06/2006	21/06/2006	0,000082	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0216 ± 0,0065	mg/Kg	19/06/2006	21/06/2006	0,00038	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<1,1	mg/Kg	19/06/2006	20/06/2006	1,1	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,065	mg/Kg	19/06/2006	20/06/2006	0,065	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,045	mg/Kg	20/06/2006	21/06/2006	0,045	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00082	mg/Kg	19/06/2006	20/06/2006	0,00082	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00057	mg/Kg	19/06/2006	20/06/2006	0,00057	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0012	mg/Kg	19/06/2006	20/06/2006	0,0012	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0013	mg/Kg	19/06/2006	20/06/2006	0,0013	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00063	mg/Kg	19/06/2006	20/06/2006	0,00063	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	19/06/2006	0,0011	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0032	mg/Kg	19/06/2006	19/06/2006	0,0032	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0035	mg/Kg	19/06/2006	19/06/2006	0,0035	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,004	mg/Kg	-----	19/06/2006	0,004	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0037	mg/Kg	19/06/2006	19/06/2006	0,0037	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	19/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0034	mg/Kg	19/06/2006	19/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0037	mg/Kg	19/06/2006	19/06/2006	0,0037	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0034	mg/Kg	19/06/2006	19/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,004	mg/Kg	19/06/2006	19/06/2006	0,004	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0034	mg/Kg	19/06/2006	19/06/2006	0,0034	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



TEST REPORT n° 129011/06

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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 15-giu-06
Customer Sample ID BH3 (4,5) **Type N**
Laboratory Sample ID 12 / 20357
Test Report date of issue 30-giu-06
Sampling Date 14-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 - 22/06/2006	0,048	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0058	mg/Kg	20/06/2006 - 20/06/2006	0,0058	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	48,7	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	85,6	%	16/06/2006 - 19/06/2006		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	6,75 ± 1,7	mg/Kg	21/06/2006 - 21/06/2006	0,027	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,0751 ± 0,019	mg/Kg	21/06/2006 - 21/06/2006	0,0023	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	21,7 ± 5,4	mg/Kg	21/06/2006 - 21/06/2006	0,024	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	5,29 ± 1,3	mg/Kg	21/06/2006 - 21/06/2006	0,022	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	6,08 ± 1,5	mg/Kg	21/06/2006 - 21/06/2006	0,057	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	5,73 ± 1,4	mg/Kg	21/06/2006 - 21/06/2006	0,031	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	14,7 ± 3,7	mg/Kg	21/06/2006 - 21/06/2006	0,063	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	37,6 ± 9,4	mg/Kg	21/06/2006 - 21/06/2006	0,11	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	0,0963 ± 0,029	mg/Kg	19/06/2006	19/06/2006	0,007	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0128 ± 0,0038	mg/Kg	19/06/2006	21/06/2006	0,000075	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,107 ± 0,032	mg/Kg	19/06/2006	21/06/2006	0,00035	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<1	mg/Kg	19/06/2006	20/06/2006	1	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,061	mg/Kg	19/06/2006	20/06/2006	0,061	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	0,0599 ± 0,018	mg/Kg	20/06/2006	21/06/2006	0,045	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00078	mg/Kg	19/06/2006	20/06/2006	0,00078	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00054	mg/Kg	19/06/2006	20/06/2006	0,00054	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	20/06/2006	0,0011	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0012	mg/Kg	19/06/2006	20/06/2006	0,0012	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,0006	mg/Kg	19/06/2006	20/06/2006	0,0006	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,00096	mg/Kg	19/06/2006	19/06/2006	0,00096	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	19/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	19/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	0,0261 ± 0,0078	mg/Kg	-----	19/06/2006	0,0036	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,0034	mg/Kg	19/06/2006	19/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	0,00873 ± 0,0026	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	0,00902 ± 0,0027	mg/Kg	19/06/2006	19/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006	19/06/2006	0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	19/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0031	mg/Kg	19/06/2006	19/06/2006	0,0031	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	19/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006	19/06/2006	0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	0,00832 ± 0,0025	mg/Kg	19/06/2006	19/06/2006	0,0031	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.

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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



TEST REPORT n° 129012/06

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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 15-giu-06
Customer Sample ID BH3 (9,8) **Type N**
Laboratory Sample ID 13 / 20357
Test Report date of issue 30-giu-06
Sampling Date 14-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	<0,045	mg/Kg	22/06/2006 - 22/06/2006	0,045	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0052	mg/Kg	20/06/2006 - 20/06/2006	0,0052	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	46,3	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	92,4	%	16/06/2006 - 19/06/2006		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	2,96 ± 0,74	mg/Kg	21/06/2006 - 21/06/2006	0,024	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,0382 ± 0,0095	mg/Kg	21/06/2006 - 21/06/2006	0,0021	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	11,9 ± 3,0	mg/Kg	21/06/2006 - 21/06/2006	0,021	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	2,71 ± 0,68	mg/Kg	21/06/2006 - 21/06/2006	0,02	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	10,8 ± 2,7	mg/Kg	21/06/2006 - 21/06/2006	0,051	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	0,982 ± 0,25	mg/Kg	21/06/2006 - 21/06/2006	0,028	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	10,7 ± 2,7	mg/Kg	21/06/2006 - 21/06/2006	0,056	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	16,4 ± 4,1	mg/Kg	21/06/2006 - 21/06/2006	0,1	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	0,0416 ± 0,012	mg/Kg	19/06/2006	19/06/2006	0,0068	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0506 ± 0,015	mg/Kg	19/06/2006	21/06/2006	0,000067	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0743 ± 0,022	mg/Kg	19/06/2006	21/06/2006	0,00031	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<0,98	mg/Kg	19/06/2006	20/06/2006	0,98	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,058	mg/Kg	19/06/2006	20/06/2006	0,058	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,043	mg/Kg	20/06/2006	21/06/2006	0,043	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00074	mg/Kg	19/06/2006	20/06/2006	0,00074	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00051	mg/Kg	19/06/2006	20/06/2006	0,00051	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	20/06/2006	0,0011	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	20/06/2006	0,0011	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00057	mg/Kg	19/06/2006	20/06/2006	0,00057	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	19/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0019	mg/Kg	19/06/2006	19/06/2006	0,0019	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,00086	mg/Kg	19/06/2006	19/06/2006	0,00086	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	19/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006	19/06/2006	0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	19/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	19/06/2006	0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0025	mg/Kg	19/06/2006	19/06/2006	0,0025	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0032	mg/Kg	----- - 19/06/2006		0,0032	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006 - 19/06/2006		0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0021	mg/Kg	19/06/2006 - 19/06/2006		0,0021	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006 - 19/06/2006		0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,0023	mg/Kg	19/06/2006 - 19/06/2006		0,0023	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006 - 19/06/2006		0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,002	mg/Kg	19/06/2006 - 19/06/2006		0,002	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006 - 19/06/2006		0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006 - 19/06/2006		0,0027	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006 - 19/06/2006		0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0032	mg/Kg	19/06/2006 - 19/06/2006		0,0032	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0018	mg/Kg	19/06/2006 - 19/06/2006		0,0018	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0022	mg/Kg	19/06/2006 - 19/06/2006		0,0022	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006 - 19/06/2006		0,0028	EPA 8270D/98 GC/MS EPA 3550C/00

Test Report End

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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


TEST REPORT n° 129013/06

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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 15-giu-06
Customer Sample ID BH1 (4,8) **Type N**
Laboratory Sample ID 14 / 20357
Test Report date of issue 30-giu-06
Sampling Date 14-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	<0,051	mg/Kg	22/06/2006 - 22/06/2006	0,051	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,012	mg/Kg	20/06/2006 - 20/06/2006	0,012	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	95	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	93	%	16/06/2006 - 19/06/2006		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	8,06 ± 2,0	mg/Kg	21/06/2006 - 21/06/2006	0,053	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,0859 ± 0,021	mg/Kg	21/06/2006 - 21/06/2006	0,0046	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	36,2 ± 9,0	mg/Kg	21/06/2006 - 21/06/2006	0,047	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	0,271 ± 0,068	mg/Kg	21/06/2006 - 21/06/2006	0,043	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	25,2 ± 6,3	mg/Kg	21/06/2006 - 21/06/2006	0,11	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	13,5 ± 3,4	mg/Kg	21/06/2006 - 21/06/2006	0,061	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	22,7 ± 5,7	mg/Kg	21/06/2006 - 21/06/2006	0,12	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	37,5 ± 9,4	mg/Kg	21/06/2006 - 21/06/2006	0,22	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	0,157 ± 0,047	mg/Kg	19/06/2006	19/06/2006	0,014	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0218 ± 0,0066	mg/Kg	19/06/2006	21/06/2006	0,00016	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0238 ± 0,0071	mg/Kg	19/06/2006	21/06/2006	0,00073	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	124 ± 37,0	mg/Kg	19/06/2006	20/06/2006	2	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,14	mg/Kg	19/06/2006	20/06/2006	0,14	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,095	mg/Kg	20/06/2006	21/06/2006	0,095	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,0017	mg/Kg	19/06/2006	20/06/2006	0,0017	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,0012	mg/Kg	19/06/2006	20/06/2006	0,0012	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	20/06/2006	0,0026	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0027	mg/Kg	19/06/2006	20/06/2006	0,0027	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,0013	mg/Kg	19/06/2006	20/06/2006	0,0013	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,054	mg/Kg	19/06/2006	20/06/2006	0,054	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,043	mg/Kg	19/06/2006	20/06/2006	0,043	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,019	mg/Kg	19/06/2006	20/06/2006	0,019	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,058	mg/Kg	19/06/2006	20/06/2006	0,058	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,055	mg/Kg	19/06/2006	20/06/2006	0,055	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,051	mg/Kg	19/06/2006	20/06/2006	0,051	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,062	mg/Kg	19/06/2006	20/06/2006	0,062	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,06	mg/Kg	19/06/2006	20/06/2006	0,06	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,056	mg/Kg	19/06/2006	20/06/2006	0,056	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	225 ± 67,0	mg/Kg	----- - 20/06/2006		0,072	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	20,3 ± 6,1	mg/Kg	19/06/2006 - 20/06/2006		0,067	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	19,8 ± 5,9	mg/Kg	19/06/2006 - 20/06/2006		0,046	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	19,9 ± 6,0	mg/Kg	19/06/2006 - 20/06/2006		0,044	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	21,1 ± 6,3	mg/Kg	19/06/2006 - 20/06/2006		0,051	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	6,49 ± 1,9	mg/Kg	19/06/2006 - 20/06/2006		0,061	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	16,8 ± 5,0	mg/Kg	19/06/2006 - 20/06/2006		0,044	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	19 ± 5,7	mg/Kg	19/06/2006 - 20/06/2006		0,066	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	9,76 ± 2,9	mg/Kg	19/06/2006 - 20/06/2006		0,061	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	15,5 ± 4,7	mg/Kg	19/06/2006 - 20/06/2006		0,049	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	13,3 ± 4,0	mg/Kg	19/06/2006 - 20/06/2006		0,072	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	19,3 ± 5,8	mg/Kg	19/06/2006 - 20/06/2006		0,04	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	22,3 ± 6,7	mg/Kg	19/06/2006 - 20/06/2006		0,048	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	21 ± 6,3	mg/Kg	19/06/2006 - 20/06/2006		0,062	EPA 8270D/98 GC/MS EPA 3550C/00

Test Report End

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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



TEST REPORT n° 129014/06

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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 15-giu-06
Customer Sample ID BH1 (5,6) **Type N**
Laboratory Sample ID 15 / 20357
Test Report date of issue 30-giu-06
Sampling Date 14-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	<0,05	mg/Kg	22/06/2006 - 22/06/2006	0,05	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0089	mg/Kg	20/06/2006 - 20/06/2006	0,0089	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	71,4	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	86,5	%	16/06/2006 - 19/06/2006		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	13,4 ± 3,3	mg/Kg	21/06/2006 - 21/06/2006	0,041	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,17 ± 0,042	mg/Kg	21/06/2006 - 21/06/2006	0,0035	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	20,7 ± 5,2	mg/Kg	21/06/2006 - 21/06/2006	0,036	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	0,0578 ± 0,014	mg/Kg	21/06/2006 - 21/06/2006	0,033	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	14,9 ± 3,7	mg/Kg	21/06/2006 - 21/06/2006	0,086	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	10,8 ± 2,7	mg/Kg	21/06/2006 - 21/06/2006	0,047	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	43,2 ± 11,0	mg/Kg	21/06/2006 - 21/06/2006	0,094	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	68,6 ± 17,0	mg/Kg	21/06/2006 - 21/06/2006	0,17	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	0,124 ± 0,037	mg/Kg	19/06/2006	19/06/2006	0,012	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,00966 ± 0,0029	mg/Kg	19/06/2006	21/06/2006	0,00012	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0204 ± 0,0061	mg/Kg	19/06/2006	21/06/2006	0,00054	EPA 8315A/96 LC/DAD EPA 8315A/96
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<1,5	mg/Kg	19/06/2006	20/06/2006	1,5	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,062	mg/Kg	19/06/2006	20/06/2006	0,062	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,073	mg/Kg	20/06/2006	21/06/2006	0,073	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00079	mg/Kg	19/06/2006	20/06/2006	0,00079	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00055	mg/Kg	19/06/2006	20/06/2006	0,00055	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0012	mg/Kg	19/06/2006	20/06/2006	0,0012	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,0012	mg/Kg	19/06/2006	20/06/2006	0,0012	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,0006	mg/Kg	19/06/2006	20/06/2006	0,0006	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0045	mg/Kg	19/06/2006	20/06/2006	0,0045	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	20/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,0016	mg/Kg	19/06/2006	20/06/2006	0,0016	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0048	mg/Kg	19/06/2006	20/06/2006	0,0048	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0045	mg/Kg	19/06/2006	20/06/2006	0,0045	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,0042	mg/Kg	19/06/2006	20/06/2006	0,0042	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0052	mg/Kg	19/06/2006	20/06/2006	0,0052	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,005	mg/Kg	19/06/2006	20/06/2006	0,005	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0047	mg/Kg	19/06/2006	20/06/2006	0,0047	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date Prep Anal	MDL	Test Method Technique Prep Method
PAHs					
0 - total PAHs as total and on dry basis at 105°C	0,831 ± 0,25	mg/Kg	----- - 20/06/2006	0,0059	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	0,0532 ± 0,016	mg/Kg	19/06/2006 - 20/06/2006	0,0056	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	0,0851 ± 0,026	mg/Kg	19/06/2006 - 20/06/2006	0,0038	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	0,0451 ± 0,014	mg/Kg	19/06/2006 - 20/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	0,0775 ± 0,023	mg/Kg	19/06/2006 - 20/06/2006	0,0042	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	0,0489 ± 0,015	mg/Kg	19/06/2006 - 20/06/2006	0,0051	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	0,0559 ± 0,017	mg/Kg	19/06/2006 - 20/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	0,111 ± 0,033	mg/Kg	19/06/2006 - 20/06/2006	0,0055	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	0,041 ± 0,012	mg/Kg	19/06/2006 - 20/06/2006	0,0051	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	0,0556 ± 0,017	mg/Kg	19/06/2006 - 20/06/2006	0,004	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	0,0548 ± 0,016	mg/Kg	19/06/2006 - 20/06/2006	0,0059	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	0,0649 ± 0,019	mg/Kg	19/06/2006 - 20/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	0,061 ± 0,018	mg/Kg	19/06/2006 - 20/06/2006	0,004	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	0,0766 ± 0,023	mg/Kg	19/06/2006 - 20/06/2006	0,0051	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



TEST REPORT n° 129015/06

All results reported in this Test Report are exclusively and specifically referred to the submitted sample. The present Test Report can be reproduced only in its entirety. The present Test Report must not be altered in any part or parts or copied for promotional or advertising purposes without the written authorisation of THEOLAB S.r.l.. The present Test Report consists of 3 page(s)

Customer ERM ITALIA Srl
Address Via San Gregorio, 38
20154 Milano
Project/Contract 0051052
Matrix Type Soil Green Areas
Date received 15-giu-06
Customer Sample ID BH1 (13,2) **Type N**
Laboratory Sample ID 16 / 20357
Test Report date of issue 30-giu-06
Sampling Date 14-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	<0,042	mg/Kg	22/06/2006 - 23/06/2006	0,042	SXLC001/05 LC/MS SXLC001/05
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0064	mg/Kg	20/06/2006 - 20/06/2006	0,0064	SXLC006/05 LC/MS SXLC006/05
0 fraction sieved 2 mm dry basis at 105°C	60,8	%	19/06/2006 - 19/06/2006		D.M. 13/09/99 II.1 Gravimetry D.M. 13/09/99 II.1
Residues					
0 residue at 105°C as total	94,8	%	16/06/2006 - 19/06/2006		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	3,61 ± 0,9	mg/Kg	21/06/2006 - 21/06/2006	0,034	EPA 6020A/98 ICP-MS EPA 3051A/98
0 cadmium as total and on dry basis at 105°C	0,0511 ± 0,013	mg/Kg	21/06/2006 - 21/06/2006	0,003	EPA 6020A/98 ICP-MS EPA 3051A/98
0 chromium as total and on dry basis at 105°C	8,59 ± 2,1	mg/Kg	21/06/2006 - 21/06/2006	0,03	EPA 6020A/98 ICP-MS EPA 3051A/98
0 mercury as total and on dry basis at 105°C	0,0471 ± 0,012	mg/Kg	21/06/2006 - 21/06/2006	0,028	EPA 6020A/98 ICP-MS EPA 3051A/98
0 nickel as total and on dry basis at 105°C	4,71 ± 1,2	mg/Kg	21/06/2006 - 21/06/2006	0,072	EPA 6020A/98 ICP-MS EPA 3051A/98
0 lead as total and on dry basis at 105°C	1,25 ± 0,31	mg/Kg	21/06/2006 - 21/06/2006	0,04	EPA 6020A/98 ICP-MS EPA 3051A/98
0 copper as total and on dry basis at 105°C	3,71 ± 0,93	mg/Kg	21/06/2006 - 21/06/2006	0,079	EPA 6020A/98 ICP-MS EPA 3051A/98
0 zinc as total and on dry basis at 105°C	14,6 ± 3,6	mg/Kg	21/06/2006 - 21/06/2006	0,14	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	0,0565 ± 0,017	mg/Kg	19/06/2006	19/06/2006	0,011	EPA 7199/96 IC EPA 3060A/96
0 acetaldehyde as total and on dry basis at 105°C	0,0122 ± 0,0037	mg/Kg	19/06/2006	21/06/2006	0,000083	EPA 8315A/96 LC/DAD EPA 8315A/96
0 formaldehyde as total and on dry basis at 105°C	0,0184 ± 0,0055	mg/Kg	19/06/2006	21/06/2006	0,00039	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	19/06/2006	20/06/2006	1,3	EPA 8015D/03 GC/FID EPA 3550C/00
0 TPH < C12 as total and on dry basis at 105°C	<0,048	mg/Kg	19/06/2006	20/06/2006	0,048	EPA 8015D/03 GC/MS EPA 5035A/02
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,053	mg/Kg	20/06/2006	21/06/2006	0,053	EPA 8015D/03 GC/FID EPA 5035A/02
Volatile Aromatic Compounds						
0 benzene as total and on dry basis at 105°C	<0,00061	mg/Kg	19/06/2006	20/06/2006	0,00061	EPA 8260B/96 GC/MS EPA 5035A/02
0 ethylbenzene as total and on dry basis at 105°C	<0,00042	mg/Kg	19/06/2006	20/06/2006	0,00042	EPA 8260B/96 GC/MS EPA 5035A/02
0 m,p-xylene as total and on dry basis at 105°C	<0,0009	mg/Kg	19/06/2006	20/06/2006	0,0009	EPA 8260B/96 GC/MS EPA 5035A/02
0 o-xylene as total and on dry basis at 105°C	<0,00094	mg/Kg	19/06/2006	20/06/2006	0,00094	EPA 8260B/96 GC/MS EPA 5035A/02
0 toluene as total and on dry basis at 105°C	<0,00047	mg/Kg	19/06/2006	20/06/2006	0,00047	EPA 8260B/96 GC/MS EPA 5035A/02
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,0032	mg/Kg	19/06/2006	20/06/2006	0,0032	EPA 8270D/98 GC/MS EPA 3550C/00
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	20/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,0011	mg/Kg	19/06/2006	20/06/2006	0,0011	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-chlorophenol as total and on dry basis at 105°C	<0,0034	mg/Kg	19/06/2006	20/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00
0 2-methylphenol as total and on dry basis at 105°C	<0,0033	mg/Kg	19/06/2006	20/06/2006	0,0033	EPA 8270D/98 GC/MS EPA 3550C/00
0 3-methylphenol as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	20/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 4-methylphenol as total and on dry basis at 105°C	<0,0037	mg/Kg	19/06/2006	20/06/2006	0,0037	EPA 8270D/98 GC/MS EPA 3550C/00
0 phenol as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	20/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 pentachlorophenol as total and on dry basis at 105°C	<0,0034	mg/Kg	19/06/2006	20/06/2006	0,0034	EPA 8270D/98 GC/MS EPA 3550C/00

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,0043	mg/Kg	-----	20/06/2006	0,0043	EPA 8270D/98 GC/MS
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,004	mg/Kg	19/06/2006	20/06/2006	0,004	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,0028	mg/Kg	19/06/2006	20/06/2006	0,0028	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	20/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,003	mg/Kg	19/06/2006	20/06/2006	0,003	EPA 8270D/98 GC/MS EPA 3550C/00
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,0037	mg/Kg	19/06/2006	20/06/2006	0,0037	EPA 8270D/98 GC/MS EPA 3550C/00
0 chrysene as total and on dry basis at 105°C	<0,0026	mg/Kg	19/06/2006	20/06/2006	0,0026	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,004	mg/Kg	19/06/2006	20/06/2006	0,004	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,0036	mg/Kg	19/06/2006	20/06/2006	0,0036	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	20/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,0043	mg/Kg	19/06/2006	20/06/2006	0,0043	EPA 8270D/98 GC/MS EPA 3550C/00
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,0024	mg/Kg	19/06/2006	20/06/2006	0,0024	EPA 8270D/98 GC/MS EPA 3550C/00
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,0029	mg/Kg	19/06/2006	20/06/2006	0,0029	EPA 8270D/98 GC/MS EPA 3550C/00
0 pyrene as total and on dry basis at 105°C	<0,0037	mg/Kg	19/06/2006	20/06/2006	0,0037	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.

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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

