

TEST REPORT n° 80249/04

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Customer	SOIL Srl	
Address	Via Mercalli, 11	
	20122 MILANO	
Base/Site	TARANTO	
Matrix Type	Surface Water	
Date received	17-dic-04	
Customer Sample ID	Acqua di mare	Type N
Laboratory Sample ID	01 / 12365	
Test Report date of issue	30-dic-04	
Sampling Date	10-dic-04	
Sampling Procedure	Prelievo effettuato a cura del Committente	
Notes		

Compound Name	Amount and MU	UM	Date Prep Anal	MDL	Test Method Technique Prep Method
0 free chlorine	<0,1	µg/L	22/12/2004 - 22/12/2004	0,1	APAT IRSA CNR 4080/03 Photometry APAT IRSA CNR 4080/03
0 pH	8,66	pH	22/12/2004 - 22/12/2004		APAT IRSA CNR 2060/03 Potenziometry APAT IRSA CNR 2060/03
0 conductance at 20°C	46700 ± 1400,0	µS/cm	22/12/2004 - 22/12/2004	10	APAT IRSA CNR 2030/03 Conductimetry APAT IRSA CNR 2030/03
# salinity	28,6		22/12/2004 - 22/12/2004		APAT IRSA CNR 2070/03 Calculus APAT IRSA CNR 2070/03
Nitrogen Substances					
0 ammonium	0,855 ± 0,0599	µg/L	23/12/2004 - 23/12/2004	0,0225	APAT IRSA CNR 4030/03 UV/VIS APAT IRSA CNR 4030/03
0 suspended solids	6 ± 0,6	µg/L	22/12/2004 - 22/12/2004	0,5	APAT IRSA CNR 2090/03 met.B Gravimetry APAT IRSA CNR 2090/03 met.B
0 total organic carbon	0,908 ± 0,0908	µg/L	22/12/2004 - 22/12/2004	0,252	APAT IRSA CNR 5040/03 FTIR APAT IRSA CNR 5040/03
Anions					
0 chlorides	23400 ± 4670,0	µg/L	22/12/2004 - 23/12/2004	9,82	EPA 9056/94 IC EPA 9056/94
0 sulphates	3300 ± 660,0	µg/L	22/12/2004 - 23/12/2004	2,96	EPA 9056/94 IC EPA 9056/94
Metals					
0 potassium as total	475 ± 95,0	µg/L	22/12/2004 - 22/12/2004	0,28	EPA 6010C/00 ICP-AES EPA 3005A/92

Compound Name	Amount and MU	UM	Date		MDL	Test Method Technique Prep Method
			Prep	Anal		
Metals						
0 sodium as total	10700 ± 2140,0	µg/L	22/12/2004	22/12/2004	67,1	EPA 6010C/00 ICP-AES EPA 3005A/92
0 cadmium as total	<0,000057	µg/L	22/12/2004	23/12/2004	0,000057	EPA 6020A/98 ICP-MS EPA 3005A/92
0 chromium as total	0,0339 ± 0,00509	µg/L	22/12/2004	23/12/2004	0,000364	EPA 6020A/98 ICP-MS EPA 3005A/92
0 iron as total	1,3 ± 0,195	µg/L	22/12/2004	23/12/2004	0,0122	EPA 6020A/98 ICP-MS EPA 3005A/92
0 mercury as total	0,000199 ± 0,00003	µg/L	22/12/2004	23/12/2004	0,000063	EPA 6020A/98 ICP-MS EPA 3005A/92
0 nickel as total	0,00555 ± 0,000832	µg/L	22/12/2004	23/12/2004	0,000998	EPA 6020A/98 ICP-MS EPA 3005A/92
0 lead as total	0,000992 ± 0,000149	µg/L	22/12/2004	23/12/2004	0,000432	EPA 6020A/98 ICP-MS EPA 3005A/92
0 copper as total	0,032 ± 0,00479	µg/L	22/12/2004	23/12/2004	0,00114	EPA 6020A/98 ICP-MS EPA 3005A/92
0 zinc as total	0,109 ± 0,0164	µg/L	22/12/2004	23/12/2004	0,00339	EPA 6020A/98 ICP-MS EPA 3005A/92

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 determined on Certified Reference Materials or Laboratory Control Standards.

Technical Manager



Laboratory Manager





Percent Oxygen Analysis

Client:	Soil S.r.l.
Project:	GNL Terminal of Taranto
Location:	Taranto (TA)
Date:	11/12/2004
Operator:	Dr Di Piazza Paolo
Supervisor:	Dr Gullini Claudio

Category	Unit	Value
Oxygen	mg/l	8,00

Equipment	
Manufacturer	HYDROLAB
Instrument model	Minisonde 4a
Serial number	40924