αναλυτικά
εργαστήρια
αθηνών α.ε
Εργαστηριακές Αναλύσεις, Μελέτες - Εφαρμογές

ǶŁɆȼ Ƀ ǶɃŁȼ ȼŁȾ Ƀ ɉ ʔɉ ʂ Ɉ Ɇȼ Ɇ

ɉ ɟ. Ƕǻʉǿ΄ ʚʠǖǿʚǐ : **15-0847-002-0198-01**
ȼ ɛ /ɜʉǕ ǑǝǕʚǘǖʠ : **15/04/2015**

ɉ ɟ. Ǒǝǖʚǘǖʠ : **1**

ʠʚʚǝʚɣʠ
ɉ ɟ. Ƕǻǘ 102

ʂǕɤ ǘ. ǳǕǕ. Ɇʚǖ ǳʠ 104 Ǻ ɉ ǳɐɜǕ 115 27
Ɉ΄ ʚǝǕǕɤǘǘʠɛǕ: Ⱥǝ ǳǘʚɣǝʚʠ 127 Ǻ ʔ. Ǝɤ ɜǳǕ 142 32
ȼʠǝ: +30 210 7470500-502 Ǻǘ Ǖʚ: +30 210 7470501 Ǻemail: waternet@ergastiria.gr Ǻwebsite: www.ergastiria.gr

ɆȼɃɟ ȺǂǶȺʂɉ ȼȼ	: **ʠȼʐ ɃɆ ʂɃȾɅʠ ʔ, Ƕʂɉ ȼȺǂ ʠȼʐ ɉ Ʌɉ ȺǂɃɈ, 35200, ɉ ȼɉ ʂɉ ʔȼȼ**			
Ɉ΄ ǘ ʠʚʜʠ ǖǘǖɛǕǖǝʠɣ ǳʠ	: ɉ ʔɉ ʂɈȼǂȾɉ ȺɅǖ Ɇȼȼ Ʌǂ			
ȼ ɛ /ɜʉǕ ǖǘǖɛǕǖǝʠɣ ǳʠ	: 06/04/2015	ȼ ɛ /ɜʉǕ ɣɜǕɟ ɜʠʠ ǕɜǕǝ ǘǘɤ ɜ	:	06/04/2015
ȼ ɛ /ɜʉǕ΄ Ǖɟ ǕǝǕɓɛʠ	: 06/04/2015	ȼ ɛ /ɜʉǕ΄ ǘɟ Ƴǖɤ ǘʠʠ ǕɜǕǝ ǘǘɤ ɜ	:	09/04/2015
Ⱦɤ ǖʚǝǿ ǖǘǖɛǕǖʚʠ	: **25150198**	ȾǕǕɤǘǘǘʠ΄ Ǖɟ ǕǝǕɓɛʠ	:	Ⱦɉ ʔɃʔǂȾȼ
ȼǕʠǖǿʠǖǕ ǖǘǖɛǕǖʚʠ	: **ʔȺɅɃ ɉ ǶɃ ʠǂȾȼɈɃ ɈʠɅȺɈɆȼɆ - ǶɅɃɆȾɈʔɉ**			

ǶǕɟ Ƴɛǘǘɟ ʚʠ	**ʐ ɣǳʚǖʚʠ**	**ʐ ʚɜƳǖǕ**	**ǶǕɟ Ǖɛǘǘɟ ʚǝ ȼʚɛ**	**ɉ΄ ʚǘɣǝǘɛǕ**
ɉ ǘɟ ǿɓʚʚʐ ʚɟ ʚʚɟ ɜǕʚǻɛʚǘǘǖʚʠ 22ÅC	ISO 6222:1999	cfu/ml	ǜɜǘʠ ɛǘǕǕɓʚǝʠ	ǶǕɟ ʚʠǘǖǕ (<4)
ɉ ǘɟ ǿɓʚʚʐ ʚɟ ʚʚɟ ɜǕʚǻɛʚǘǘǖʚʠ 37ÅC	ISO 6222:1999	cfu/ml	ǜɜǘʠ ɛǘǕǕɓʚǝʠ	ǶǕɟ ʚʠǘǖǕ (<4)
ȾʚʚɓǕǝǕɟ ʚǘɛ	ISO 9308-1:2014	cfu/100ml	0	0
Escherichia coli	ISO 9308-1:2014	cfu/100ml	0	0
Intestinal Enterococci	ISO 7899-2:2000	cfu/100ml	0	0

Ƕɉ Ʌɉ ȼȼɅȼɆȺǂɆ

1. Ƀǝǖʚɣʠǘɤ ɜ Ǖ ʚǘǘɣǘɛƳǘɤ ɜ ɜǕ ǖ ǖǘǖɛǕɛǘǝɤ ǖʚǿ Ǖɟ ʚǳɛǿ ǖǘǖɛǕǖʚʠ 25150198 ǖʠ΄ Ǖɟ ǿɜǖʠ΄ ǻǖ΄ ʚʠǖǿʚǐ, ǘǖǕǝǘǖǿʠǘɤ ɜ ʚɟ ǳɤ ɜ΄ ʚʠ ǝǕǳɟ ʚʚǘǘǝǘǖɜ Ⱦʚʚɛ Ɉ΄ ʚʠɟ ɜʚɛ ɉ ΄ ǿǘǕǘǖ Ɉ 2/2600/2001 (ǖ ȺȾ 892/ǳ11-07-2001), ǿ΄ ɤ ʠ ǘ ʚ΄ ʚ΄ ʚɛǳǖǝǘǝǕʚǻʚǐ ǘɛɣʚɟ ǝǘɛɛǘ Ǖ.

2. ȼǕ Ǖ ʚǘɣǝǘɛǕǘǘ ǘɤ ɜ ǕɜǕǝ ǘǘɤ ɜ ǘʚǘǘǖʚɜǘǘɛǿɜʚ ɛǘǘǘ ǖǘǖɛǕǘǘ ǝǕǝǖʠ΄ Ǖɟ Ǖɛɣǘ ʚʠʠ΄ ʚʠ ǕɜǕǝ ǳǖǝǕ ǝǕǖǕ Ǖǖʚɟ ʚǐ ɜ ǘǖǖ ǘʠɜʚǝʚɛ΄ ʚǿǖǘǘ ǖʚ ɜǘ ʚǐ, ʚǝ΄ Ǖɟ Ƴɛǘǘɟ ʚǝǖʠ ʚ΄ ʚʚʠ΄ ɉ ɣ΄ ǘɜǕ ǘǕǝǘǘ ɛǘɤ ɜǘǖ ɛǘǿǝǘǖ ǘǝǕǘǖ΄ ʚʠ΄ ɉ ʚɓǝɣ΄ ʚɜǘǝǕ ǿ ǖʠɜ Ⱦʚʚɛ Ɉ΄ ʚʠɟ ɜʚɛ ɉ ΄ ǿǘǕǘǖ Ɉ 2/2600/2001 (ǖ ȺȾ 892/ǳ11-07-2001), ǿ΄ ɤ ʠ ǘ ʚ΄ ʚ΄ ʚɛǳǖǝǘǝǕʚǻʚǐ ǘɛɣʚɟ ǝǘɛɛǘ Ǖ.

**Ƀ Ɉ΄ ǘ ǳʠɜʚʠ
ǖʠ Ⱥɟ ɜǕǘǖǖɟ ʚʠ**

**ʠǖɛǿǝɟ ǻǖʠ Ʌʚʠǝʐʠ
DVM, ʐ ʚɟ ʚɓʚǝǿɜʚʠ - ɈɜʚǘʚʚǝǿɜʚʠMSc
Ⱥ΄ ǻǖɛʚɜʚǿʠ ʠǘǖǳʠɜǖʠ**

αναλυτικά εργαστήρια αθηνών α.ε

Εργαστηριακές Αναλύσεις, Μελέτες - Εφαρμογές

ΠΙΣΤΟΠΟΙΗΤΙΚΟ ΑΝΑΛΥΣΗΣ

Αρ. Πρωτοκόλλου : **15-0847-002-0198-02**
Ημ/νία Έκδοσης : **15/04/2015**
Αρ. Έκδοσης : **1**

[illegible] 102

[illegible] 104 [illegible] 115 27
[illegible] 127 [illegible] 142 32
[illegible]: +30 210 7470500-502 [illegible]: +30 210 7470501 email: waternet@ergastiria.gr website: www.ergastiria.gr

[illegible]	:	**[illegible], 35200, [illegible]**			
[illegible]	:	[illegible]			
[illegible]	:	06/04/2015	[illegible]	:	06/04/2015
[illegible]	:	06/04/2015	[illegible]	:	13/04/2015
[illegible]	:	**25150198**	[illegible]	:	[illegible]
[illegible]	:	**[illegible]**			

Παράμετρος	Μέθοδος	Μονάδα	[illegible]	[illegible]	Αποτέλεσμα
Συγκέντρωση ιόντων υδρογόνου (pH) - 25°C	ISO 10523:2008	pH units	-	6.5 - 9.5	7.3
Αγωγιμότητα - 25°C	ISO 7888:1985	μS/cm	10	< 2500	828
Θολότητα	ISO 7027:1999	FNU	0.02	-	0.31
Χρώμα	ΕΛΟΤ ΕΝ ISO 7887	mg/l Pt	1.5	-	<5
Οσμή	[illegible] (*)		-	-	[illegible]
Γεύση	[illegible] (*)		-	-	[illegible]
Οξειδωσιμότητα (KMnO4)	ΕΛΟΤ ΕΝ ISO 8467	mg/l O2	0.16	< 5.0	<0.5
Αργίλιο (Al)	[illegible] 072-93 (ICP-MS)	μg/l	0.20	< 200.0	3.9
Αντιμόνιο (Sb)	[illegible] 072-93 (ICP-MS)	μg/l	0.002	< 5.0	0.059
Αρσενικό (As)	[illegible] 072-93 (ICP-MS)	μg/l	0.003	< 10.0	1.7
Βόριο (B)	[illegible] 072-93 (ICP-MS)	μg/l	0.15	< 1000.0	27
Κάδμιο (Cd)	[illegible] 072-93 (ICP-MS)	μg/l	0.001	< 5.0	< 0.035
Χρώμιο (Cr)	[illegible] 072-93 (ICP-MS)	μg/l	0.01	< 50.0	3.2
Χαλκός (Cu)	[illegible] 072-93 (ICP-MS)	μg/l	0.03	< 2000.0	3.9
Σίδηρος (Fe)	[illegible] 072-93 (ICP-MS)	μg/l	0.06	< 200.0	13
Μόλυβδος (Pb)	[illegible] 072-93 (ICP-MS)	μg/l	0.005	< 10.0	0.21
Μαγγάνιο (Mn)	[illegible] 072-93 (ICP-MS)	μg/l	0.005	< 50.0	0.26
Υδράργυρος (Hg)	[illegible] 072-93 (ICP-MS)	μg/l	0.01	< 1.0	[illegible]
Νικέλιο (Ni)	[illegible] 072-93 (ICP-MS)	μg/l	0.01	< 20.0	2.4
Σελήνιο (Se)	[illegible] 072-93 (ICP-MS)	μg/l	0.035	< 10.0	0.26
Νάτριο (Na)	[illegible] 072-93 (ICP-MS)	mg/l	0.0015	< 200.0	24
Βρωμικά (BrO3)	[illegible] 072-85 (LC-MS/MS)	μg/l	0.06	< 10.0	[illegible]
Κυανιούχα (CN)	[illegible] 072-69 (UV)	μg/l	3	< 50.0	[illegible]
Χλωριούχα (Cl)	ISO 9297:1989	mg/l	1	< 250.0	57.4
Φθοριούχα (F)	[illegible] 072-75 (UV)	mg/l	0.06	< 1.5	0.31
Νιτρικά (NO3)	[illegible] 072-92 (UV)	mg/l	0.7	< 50.0	14.1
Νιτρώδη (NO2)	ISO 6777:1984	mg/l	0.01	< 0.5	[illegible]
Αμμώνιο (NH4)	ISO 7150-1:1984	mg/l	0.01	< 0.5	[illegible]
Θειικά (SO4)	[illegible] 072-72 (UV)	mg/l	1.5	< 250	9
Ολικός Οργανικός Άνθρακας (TOC)	APHA 5310 B	mg/l C	0.05	-	0.89
1,2 διχλωροαιθάνιο (EDC)	[illegible] 072-88 (GC-MS)	μg/l	0.05	< 3.0	[illegible]

[illegible]
[illegible]

[illegible]
DVM, [illegible] MSc

[illegible]
[illegible]
* [illegible]

ƲŁȾȼƁƲƁŁȼ ȼŁȾƁ ɟ ʔɟ ʂ Ɉ ȾȼȾ

ɟ ɉ. Ʋʂůŭ´ ɕʂɖŭʂɕɨ : **15-0847-002-0198-02**
ȼ ɛ/ʒɗŬ Ǒəŭɕůɖɠ : **15/04/2015**

ɟ ɉ. Ǒəŭɕůɖɠ : **1**

ʂŮɤ ű. ɗŬů. ȾɕűɗŭɠŬ 104 Åɟ ɗʐʒŬ 115 27
Ɉ´ ɕəŬŬɤůŭɖɛŬ: Åə ɗůʂɕɣəɕɠ 127 Åʔ. ɫɤʒɗŬ 142 32
ȼɖə: +30 210 7470500-502 ÅůŬɤ: +30 210 7470501 Åemail: waternet@ergastiria.gr Åwebsite: www.ergastiria.gr

ƲŬɟ ɣɛŬɟ ɕɠ	ɀ ɣɗɕŭɕɠ	ɀ ɕʒɣŭŬ	ȳ ɉʂ ɟ ʒɕʒŬɟůɖɠ	ƲŬɟ Ŭɛɟ ʂɐ ȼʂɐ	ɟ ´ ɕŭɣəŬɛŬ
ɗʂɡəɕɕəɤ ɉ ɗŭʂ (CH2CHCl)	ƁȦ 072-88 (GC-MS)	εg/l	0.04	< 0.50	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
Ɓəəɣ ȼɟ ʂŬəɕʒɕʒɕɛŮɗɣʒʂŬ (THM's)	ƁȦ 072-88 (GC-MS)	εg/l	0.04	< 100.0	39.4
ɟ əɤ ɉ ɕűȹɟ ɛʂ (CHCl3)	ƁȦ 072-88 (GC-MS)	εg/l	0.04	-	4.4
ɗɟ ɤ ɛ ɕűȹɟ ɛʂ (CHBr3)	ƁȦ 072-88 (GC-MS)	εg/l	0.05	-	14.1
ɗɟ ɤ ɛ ɕŭʂəɤ ɉ ɕɛŮɗɣʒʂ (CHBrCl2)	ƁȦ 072-88 (GC-MS)	εg/l	0.04	-	6.7
ɋʂɟ ɤ ɛ ɕɕəɤ ɉ ɕɛŮɗɣʒʂ (CHBr2Cl)	ƁȦ 072-88 (GC-MS)	εg/l	0.05	-	14.2
ȼɟ ɘ & ȼŮŬɟ Ŭ- ɕəɤ ɉ ɕŬʂɗɡəɣʒʂ	ƁȦ 072-88 (GC-MS)	εg/l	0.03	< 10.0	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ȼɟ ʂəɤ ɉ ɕŬʂɗɡəɣʒʂ (TCE)	ƁȦ 072-88 (GC-MS)	εg/l	0.05	-	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ȼŮŬɟ Ŭɕəɤ ɉ ɕŬʂɗɡəɣʒʂ (PCE)	ƁȦ 072-88 (GC-MS)	εg/l	0.03	-	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ɗůʂɕɕ(Ŭ)´ ɡɟ ɣʒʂ	ƁȦ 072-80 (GC-MS/MS)	εg/l	0.0025	< 0.01	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
Ʋɕəɡəɡəəʂɕɑ ɉ ɤ ɛ Ŭŭʂɕɑ Ɉ ŭɟ ɕʒɕʒɣʒɗɟ Ŭəŭɠ (PAH)	ƁȦ 072-80 (GC-MS/MS)	εg/l	0.0025	< 0.1	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ɗůʂɕɕ(b)űɗɕɟ Ŭʒɗɣʒʂ	ƁȦ 072-80 (GC-MS/MS)	εg/l	0.0025	-	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ɗůʂɕɕ(ə)űɗɕɟ Ŭʒɗɣʒʂ	ƁȦ 072-80 (GC-MS/MS)	εg/l	0.0025	-	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ɗůʂɕɕ(g,h,i)´ Ů ɡəɣʒʂ	ƁȦ 072-80 (GC-MS/MS)	εg/l	0.0025	-	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ɫŭŭʂɕ(1,2,3-c,d)´ ɡɟ ɣʒʂ	ƁȦ 072-80 (GC-MS/MS)	εg/l	0.0025	-	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ɗůʂɕɧəʂ	ƁȦ 072-88 (GC-MS)	εg/l	0.03	< 1.0	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
ɟ əɟ ɡəŬɛɗŭʂ (C3H5NO)	ƁȦ 072-86 (LC-MS/MS)	εg/l	0.06	< 0.10	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
Ȧ´ ʂəɤ ɉ ɡŭɟ ɕɗ (C3H5ClO)	ƁȦ 072-87 (GC-MS)	εg/l	0.07	< 0.10	ɋůʂ ɟ ʒʂʒŮ ɗɖəŮ
Ⱦɨ ʒɕə ƲŬɟ ŮůʂŭʂəŰȹʒɤ ʒ	ƁȦ 072-79 (GC-MS/MS)	εg/l	0.006-0.02	-	ɋůʂ Ŭʒʂʒŭ ɗɖəŬʂ

Ɓ Ɉ´ Ů ɗɡʒɕɠ
ɟ ɖɛ ʂɕɨ Ȧɟ ɔŬůŭɖɟ ɕɡ

ƲŬɨ əɕɠ ʔɗůʂŬʒɣəɖɠ
DVM, ɟ ɖɛ ʂəȹɠ MSc

ȼɕ ´ Ŭɟ ȹʒ ´ ʂůŭʂ´ ɕʂɖŭʂəȹ űɣɟ ŬəɖəŮəŬ ɕʒʂɐ ɡ´ ɕʒɟ ŬűŬɐ əŬəŭŬʂ ɛ´ ɕɟ ŮɕʒŬ ŬʂŬ´ Ŭɟ Ŭɕɗɗŭɕɤ ɉ ɠŭɖ ɔɟ Ŭ´ ŭɐ ɣʒəɟ ʂɖɖ ŭʂɕ Ů ɔŬůŭɖɟ ɕɡ, ´ Ŭɟ ɣ ɛ ȹʒɕ ůŮ´ əɟ ɗ ɛ ɕɟ űɐ.
ȼŬŬ ɕŬɣəɣůɛŬŬŬ Ŭɤ ʒ ŬʂŬɨ ůŮɤ ʒ ŬʂŬŭɣɟ ɕʒŬŬəɛȹʒɕ ůŬŬ ŭŬɔɛŬŬŬ ´ ɕɡ ŮʂŮɤůɗɖəŬʂ. Ɓ ɕɕɖɛʂəɣɠ əŬɕɕɕɔʂəɕʒəɣɠ ŭɕəɕɣɠ´ ɟ ŬɔɛŬʂ´ ɕʂɨ ʒŬŬəůɗʒ ɣɟ Ŭ ŭɕɡ ɡ´ ɕəŬŬŬůŭɛŬŭɕɠ.
* ɋʂəɕɐ Ůʂŭȹɠ´ Ůɤɕɡ ŭʂŬ ɗɨŬŰůɖɠ.

[illegible]

1. [illegible] 25150198 [illegible] 2/2600/2001 ([illegible] 892/[illegible]11-07-2001), [illegible].

2. [illegible]:
Acetochlor, Acrinathrin ([illegible]), Aldrin, Atrazine, Azinphos Ethyl, Azinphos Methyl, Benalaxyl, Benfluralin, Bifenox, Bifenthrin, Biphenyl, Bitertanol, Bromocyclen, Bromophos Ethyl, Bromophos Methyl, Bromopropylate, Bromuconazole ([illegible]), Buprofezin, Butafenacil, Cadusafos, Captafol, Captan, Carbaryl, Carbophenothion, Carbosulfan, Chlordane alpha (cis), Chlordane gamma (trans), Chlorfenapyr, Chlorfenson, Chlorfenviphos ([illegible]), Chlorobenzilate, Chloropropylate, Chlorothalonil, Chlorpyriphos Ethyl, Chlorpyriphos Methyl, Chlorthal dimethyl/DCPA, Chlorthion Methyl, Clodinafop-propargyl, Cloquintocet mexyl, Coumaphos, Cyfluthrin ([illegible]), Cyhalothrin lambda, Cypermethrin ([illegible]), Cyproconazo, Cyprodinil, DDD-o, DDD-p, DDE-o, DDE-o, DDE-p, DDT-o, DDT-p, Deltamethrin, Diazinon, Dichlobenil, Dichlofenthion, Dichlofluanid, Dichloran, Dichlorvos(#), Diclobutrazol, Dicofol, Dieldrin, Difenoconazole ([illegible]), Diflufenican, Dimethenamid, Dimethoate, Diniconazol, Diphenamid, Endosulfan alpha, Endosulfan beta, Endosulfan lactone, Endosulfan sulfate, Endrin, Epoxiconazole, Esfenvalerate, Etaconazol ([illegible]), Ethalfluralin, Ethion, Ethoprophos, Etridiazol, Etrimfos, Famphur, Fenamiphos, Fenarimol, Fenazaquin, Fenbuconazol, Fenchlorphos, Fenitrothion, Fenoxycarb, Fenproparthrin, Fenpropidin, Fenpropimorph, Fenson, Fenvalerate ([illegible]), Fluazifop-P-butyl, Fluchloralin, Flucythrinate ([illegible]), Fludioxonil, Flufenoxuron, Fluquinconazole, Flusilazole, Fluvalinate-tau ([illegible]), Folpet, Furalaxyl(#), HCH alpha, HCH beta, HCH delta, HCH gamma, Heptachlor, Heptachlor Epoxide A, Heptachlor Epoxide B, Hexachlorobenzene, Hexaconazole, Iodofenphos, Iprobenphos, Iprodione, Isazophos, Isodrin, Isofenphos, Isofenphos Methyl, Leptophos, Malathion, Mepronil, Metazachlor, Methacrifos, Methidathion, Methoxychlor ([illegible]), Metolachlor, Metribuzin(#), Mirex, Myclobutanil, Nitrapyrin, Nitrofen, Nitrothal isopropyl, Nuarimol, o-phenylphenol, Oxadiazon, Oxyfluorfen, Paclobutrazol, Parathion Ethyl, Parathion Methyl, Penconazole, Pendimethalin, Pentachloroanisole, Permethrin ([illegible]), Perthan, Phenothrin ([illegible]), Phenthoate, Phorate(#), Phosalone, Phosmet, Picolinafen, Piperonyl butoxide (PBO), Pirimiphos Ethyl, Pirimiphos Methyl, Procymidone, Profenofos, Prometryn, Propargite, Propazine, Propham, Propyzamide, Prothiofos, Pyrazophos, Pyridaben, Pyrimethanil, Pyriproxyfen, Quinalphos, Quinoxyfen, Quintozene, Resmethrin ([illegible]), S421, Simazine, Spirodiclofen, Tebuconazole, Tecnazene, Tefluthrin, Terbuthylazine, Tetrachlorvinphos, Tetraconazole, Tetradifon, Tetramethrin ([illegible]), Tetrasul, Thiobencarb, Tolclofos Methyl, Tolylfluanid, Transfluthrin, Triadimefon, Triazophos, Trichloronate, Trifluralin, Triticonazole, Uniconazole, Vinclozolin.

[illegible], LOD: 0.006-0.022 μg/l & LOQ: 0.022-0.068 μg/l.
(#) [illegible].

[illegible]
[illegible]

[illegible]
DVM, [illegible] MSc