



*State of New Hampshire
Environmental Laboratory Accreditation Program
Awards*

PRIMARY NH ELAP ACCREDITATION
to
GREAT LAKES ENVIRONMENTAL CENTER INC
of
TRAVERSE CITY, MI

For the analytes listed on the attached page(s) in accordance
with the provisions on the 2009 TNI Standards and Env-C 300.

Certificate Number: 205917

Effective Date: 09/02/2017

Expiration Date: 09/01/2018

Laboratory ID: 2059



Bill Hall
GREAT LAI 09/13/2017

Bill Hall
NH ELAP Program Manager

Method accreditation does not imply acceptance for NHDES compliance testing. Laboratory is required to use EPA-approved methods required by regulation. Continuing accreditation status is dependent on successful ongoing participation in the program. Customers may verify the lab's current accreditation status by calling (603) 271-2998

NEW HAMPSHIRE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

29 Hazen Drive, PO Box 95, Concord, NH 03302 (603) 271-2998

PRIMARY ACCREDITATION ANALYTE LIST

ANALYTE LIST NUMBER: 205917-A



GREAT LAKES ENVIRONMENTAL CENTER INC
739 HASTINGS STREET

TRAVERSE CITY MI 49686
(231) 941-2230
Lab ID: 2059



Analyte Code	Analyte Name	Effective Date	Expiration Date	Matrix	Category	Accr. Type
Method Code: 20045618	Method Ref.: SM 2320 B-2011	Revision:		Date: 2011		
1505	ALKALINITY	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20047614	Method Ref.: SM 2340 C-2011	Revision:		Date: 2011		
1755	HARDNESS AS CaCO3	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20050413	Method Ref.: SM 2540 C-2011	Revision:		Date: 2011		
1955	RESIDUE, FILTERABLE (TDS)	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20051212	Method Ref.: SM 2540 D-2011	Revision:		Date: 2011		
1960	RESIDUE, NON-FILTERABLE (TSS)	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20086811	Method Ref.: SM 4500-CL? E-2011	Revision:		Date: 2011		
1575	CHLORIDE	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20112816	Method Ref.: SM 4500-NO2 B	Revision: 22ND ED		Date: 2011		
1840	NITRITE AS N	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20118461	Method Ref.: SM 4500-NO3 H-2011	Revision:		Date: 2011		
1820	NITRATE-NITRITE AS N	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20120245	Method Ref.: SM 4500-NORG D	Revision: 22ND ED		Date: 2011		
1795	KJELDAHL NITROGEN, TOTAL (TKN)	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20124816	Method Ref.: SM 4500-P F	Revision: 22ND ED		Date: 2011		
1870	ORTHOPHOSPHATE AS P	08/18/2014	09/01/2018	N	NMI	NE
1910	PHOSPHORUS, TOTAL	08/18/2014	09/01/2018	N	NMI	NE
Method Code: 20300247	Method Ref.: SM 10200 H	Revision: 22ND ED		Date: 2011		
9344	CHLOROPHYLL A	11/10/2015	09/01/2018	N	NMI	NE
Method Code: 40024202	Method Ref.: WRIR 03-4174	Revision:		Date:		
1827	NITROGEN, TOTAL	08/18/2014	09/01/2018	N	NMI	NE
Method Code: NH0248	Method Ref.: SM 4500-P F MODIFIED	Revision: 22ND ED		Date: 2011		
1910	PHOSPHORUS, TOTAL	06/23/2016	09/01/2018	SC	NMI	NE
Method Code: 10294732	Method Ref.: EPA 100.2 EPA/600/R-99/064 (10-DAY CHIR D	Revision:		Date:		
3210	10 DAY % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
3215	10 DAY BIOMASS	11/18/2013	09/01/2018	SC	SED	NE
3220	10 DAY GROWTH	11/18/2013	09/01/2018	SC	SED	NE
Method Code: 10294743	Method Ref.: EPA 100.5 EPA/600/R-99/064 (LONG-TERM C	Revision:		Date:		
3205	# EGGS/EGG CASE	11/18/2013	09/01/2018	SC	SED	NE
3210	10 DAY % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
3215	10 DAY BIOMASS	11/18/2013	09/01/2018	SC	SED	NE

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3220	10 DAY GROWTH	11/18/2013	09/01/2018	SC	SED	NE
3225	20 DAY % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
3230	20 DAY BIOMASS	11/18/2013	09/01/2018	SC	SED	NE
3235	20 DAY GROWTH	11/18/2013	09/01/2018	SC	SED	NE
3312	AVERAGE DAY TO EMERGENCE	11/18/2013	09/01/2018	SC	SED	NE
3359	FEMALE/MALE RATIO	11/18/2013	09/01/2018	SC	SED	NE
3373	IC25 (% EMERGENCE)	11/18/2013	09/01/2018	SC	SED	NE
3465	NOEC (SURVIVAL)	11/18/2013	09/01/2018	SC	SED	NE
3466	LOEC (% EMERGENCE)	11/18/2013	09/01/2018	SC	SED	NE
3467	LOEC (BIOMASS)	11/18/2013	09/01/2018	SC	SED	NE
3468	LOEC (GROWTH)	11/18/2013	09/01/2018	SC	SED	NE
3469	LOEC (SURVIVAL)	11/18/2013	09/01/2018	SC	SED	NE
3470	IC25 (GROWTH)	11/18/2013	09/01/2018	SC	SED	NE
3471	LONG TERM % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
3472	IC25 (BIOMASS)	11/18/2013	09/01/2018	SC	SED	NE
3473	LONG TERM BIOMASS	11/18/2013	09/01/2018	SC	SED	NE
3474	LONG TERM GROWTH	11/18/2013	09/01/2018	SC	SED	NE
3475	NOEC (GROWTH)	11/18/2013	09/01/2018	SC	SED	NE
3476	NOEC (% EMERGENCE)	11/18/2013	09/01/2018	SC	SED	NE
3477	NOEC (BIOMASS)	11/18/2013	09/01/2018	SC	SED	NE
3482	IC25 (SURVIVAL)	11/18/2013	09/01/2018	SC	SED	NE
Method Code: 10294754		Method Ref.: EPA 100.1 EPA/600/R-99/064 (10-DAY HYA A₁)		Revision:		Date:
3210	10 DAY % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
3215	10 DAY BIOMASS	11/18/2013	09/01/2018	SC	SED	NE
3220	10 DAY GROWTH	11/18/2013	09/01/2018	SC	SED	NE
Method Code: 10294765		Method Ref.: EPA 100.4 EPA/600/R-99/064 (42-DAY HYA A₁)		Revision:		Date:
3210	10 DAY % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
3215	10 DAY BIOMASS	11/18/2013	09/01/2018	SC	SED	NE
3220	10 DAY GROWTH	11/18/2013	09/01/2018	SC	SED	NE
3240	28 DAY % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
3245	28 DAY BIOMASS	11/18/2013	09/01/2018	SC	SED	NE

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Analyte Code	Analyte Name	Effective Date	Expiration Date	Matrix	Category	Accr. Type
3250	28 DAY GROWTH	11/18/2013	09/01/2018	SC	SED	NE
3270	42 DAY BIOMASS	11/18/2013	09/01/2018	SC	SED	NE
3275	42 DAY % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
3280	42 DAY GROWTH	11/18/2013	09/01/2018	SC	SED	NE
3285	42 DAY YOUNG/FEMALE (REPRODUCTION)	11/18/2013	09/01/2018	SC	SED	NE
3465	NOEC (SURVIVAL)	11/18/2013	09/01/2018	SC	SED	NE
3467	LOEC (BIOMASS)	11/18/2013	09/01/2018	SC	SED	NE
3468	LOEC (GROWTH)	11/18/2013	09/01/2018	SC	SED	NE
3469	LOEC (SURVIVAL)	11/18/2013	09/01/2018	SC	SED	NE
3470	IC25 (GROWTH)	11/18/2013	09/01/2018	SC	SED	NE
3472	IC25 (BIOMASS)	11/18/2013	09/01/2018	SC	SED	NE
3475	NOEC (GROWTH)	11/18/2013	09/01/2018	SC	SED	NE
3477	NOEC (BIOMASS)	11/18/2013	09/01/2018	SC	SED	NE
3482	IC25 (SURVIVAL)	11/18/2013	09/01/2018	SC	SED	NE
Method Code: 10294776		Method Ref.: EPA 100.3 EPA/600/R-99/064 (LUM VAR BIOC		Revision:		Date:
3255	28 DAY RECOVERY (WEIGHT)	11/18/2013	09/01/2018	SC	SED	NE
3265	4 DAY % SURVIVAL	11/18/2013	09/01/2018	SC	SED	NE
Method Code: 30001719		Method Ref.: ASTM 1706-05 (10-DAY HYALELLA AZTEC'		Revision:		Date:
3210	10 DAY % SURVIVAL	10/28/2016	09/01/2018	SC	SED	NE
3215	10 DAY BIOMASS	10/28/2016	09/01/2018	SC	SED	NE
3220	10 DAY GROWTH	10/28/2016	09/01/2018	SC	SED	NE
Method Code: 30001731		Method Ref.: ASTM 1706-05 (LONG-TERM (LIFE CYCLE)		Revision:		Date:
3205	# EGGS/EGG CASE	10/28/2016	09/01/2018	SC	SED	NE
3210	10 DAY % SURVIVAL	10/28/2016	09/01/2018	SC	SED	NE
3215	10 DAY BIOMASS	10/28/2016	09/01/2018	SC	SED	NE
3220	10 DAY GROWTH	10/28/2016	09/01/2018	SC	SED	NE
3225	20 DAY % SURVIVAL	10/28/2016	09/01/2018	SC	SED	NE
3230	20 DAY BIOMASS	10/28/2016	09/01/2018	SC	SED	NE
3235	20 DAY GROWTH	10/28/2016	09/01/2018	SC	SED	NE
3312	AVERAGE DAY TO EMERGENCE	10/28/2016	09/01/2018	SC	SED	NE
3359	FEMALE/MALE RATIO	10/28/2016	09/01/2018	SC	SED	NE
3373	IC25 (% EMERGENCE)	10/28/2016	09/01/2018	SC	SED	NE

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3465	NOEC (SURVIVAL)	10/28/2016	09/01/2018	SC	SED	NE
3466	LOEC (% EMERGENCE)	10/28/2016	09/01/2018	SC	SED	NE
3467	LOEC (BIOMASS)	10/28/2016	09/01/2018	SC	SED	NE
3468	LOEC (GROWTH)	10/28/2016	09/01/2018	SC	SED	NE
3469	LOEC (SURVIVAL)	10/28/2016	09/01/2018	SC	SED	NE
3470	IC25 (GROWTH)	10/28/2016	09/01/2018	SC	SED	NE
3471	LONG TERM % SURVIVAL	10/28/2016	09/01/2018	SC	SED	NE
3472	IC25 (BIOMASS)	10/28/2016	09/01/2018	SC	SED	NE
3473	LONG TERM BIOMASS	10/28/2016	09/01/2018	SC	SED	NE
3474	LONG TERM GROWTH	10/28/2016	09/01/2018	SC	SED	NE
3475	NOEC (GROWTH)	10/28/2016	09/01/2018	SC	SED	NE
3476	NOEC (% EMERGENCE)	10/28/2016	09/01/2018	SC	SED	NE
3477	NOEC (BIOMASS)	10/28/2016	09/01/2018	SC	SED	NE
3482	IC25 (SURVIVAL)	10/28/2016	09/01/2018	SC	SED	NE
Method Code: 30001753		Method Ref.: ASTM 1706-05 (42-DAY (LIFE CYCLE) HYAI		Revision:		Date:
3210	10 DAY % SURVIVAL	10/28/2016	09/01/2018	SC	SED	NE
3215	10 DAY BIOMASS	10/28/2016	09/01/2018	SC	SED	NE
3220	10 DAY GROWTH	10/28/2016	09/01/2018	SC	SED	NE
3240	28 DAY % SURVIVAL	10/28/2016	09/01/2018	SC	SED	NE
3245	28 DAY BIOMASS	10/28/2016	09/01/2018	SC	SED	NE
3250	28 DAY GROWTH	10/28/2016	09/01/2018	SC	SED	NE
3270	42 DAY BIOMASS	10/28/2016	09/01/2018	SC	SED	NE
3275	42 DAY % SURVIVAL	10/28/2016	09/01/2018	SC	SED	NE
3280	42 DAY GROWTH	10/28/2016	09/01/2018	SC	SED	NE
3285	42 DAY YOUNG/FEMALE (REPRODUCTION)	10/28/2016	09/01/2018	SC	SED	NE
3465	NOEC (SURVIVAL)	10/28/2016	09/01/2018	SC	SED	NE
3467	LOEC (BIOMASS)	10/28/2016	09/01/2018	SC	SED	NE
3468	LOEC (GROWTH)	10/28/2016	09/01/2018	SC	SED	NE
3469	LOEC (SURVIVAL)	10/28/2016	09/01/2018	SC	SED	NE
3470	IC25 (GROWTH)	10/28/2016	09/01/2018	SC	SED	NE
3472	IC25 (BIOMASS)	10/28/2016	09/01/2018	SC	SED	NE

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3475	NOEC (GROWTH)	10/28/2016	09/01/2018	SC	SED	NE
3477	NOEC (BIOMASS)	10/28/2016	09/01/2018	SC	SED	NE
3482	IC25 (SURVIVAL)	10/28/2016	09/01/2018	SC	SED	NE
Method Code: 30001775		Method Ref.: ASTM 1706-05 (10-DAY CHIRONOMUS DILU		Revision:		Date:
3210	10 DAY % SURVIVAL	10/28/2016	09/01/2018	SC	SED	NE
3215	10 DAY BIOMASS	10/28/2016	09/01/2018	SC	SED	NE
3220	10 DAY GROWTH	10/28/2016	09/01/2018	SC	SED	NE


GREAT LAKES 9/15/17

Bill Hall
NH ELAP Program Manager
Issue Date: 9/15/17

Matrix Legend: AE=Air; BT=Tissue; D=Drinking Water; N=Non-Potable Water; SC=Solid and Chemical Materials

Category Legend: MIC=Microbiology; MET=Metals; NMI=Non-Metal Inorganics; PRE=Preparation; VOC=Volatile Organic Compounds; SBN=SVOC-BNA; SHE=SVOC-Herbicides; SNO=SVOC-NOS; SPC=SVOC-PCB; SPE=SVOC-Pesticides; RAD=Radiochemistry; WET=Wet

Accreditation Legend: NE=NELAP; NH=NH State Certification; CE=State Certification; IN=Interim (NELAP); WI=Withdrawn; AP=Applied; RE=Revoked; SU=Suspended

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