



State of Florida
 Department of Health, Bureau of Public Health Laboratories
 This is to certify that



E84589

ADVANCED ENVIRONMENTAL LABORATORIES, INC. - TAMPA
 9610 PRINCESS PALM AVENUE
 TAMPA, FL 33619

has complied with Florida Administrative Code 64E-1,
 for the examination of environmental samples in the following categories

DRINKING WATER - GROUP I UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - MICROBIOLOGY, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, DRINKING WATER - SYNTHETIC ORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2018 Expiration Date: June 30, 2019



Patty A. Lewandowski, MBA, MT(ASCP)
 Chief Bureau of Public Health Laboratories
 DH Form 1697, 7/04

NON-TRANSFERABLE E84589-53-07/01/2018
 Supersedes all previously issued certificates

**Laboratory Scope of Accreditation**

Attachment to Certificate #: E84589-53, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E84589**EPA Lab Code: **FL01092****(813) 630-9616****E84589****Advanced Environmental Laboratories, Inc. - Tampa****9610 Princess Palm Avenue****Tampa, FL 33619**Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,2,4-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	5/25/2012
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Group II Unregulated Contaminants	NELAP	5/25/2012
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	Group II Unregulated Contaminants	NELAP	5/25/2012
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Alkalinity as CaCO ₃	SM 2320 B	Primary Inorganic Contaminants	NELAP	10/11/2002
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Amenable cyanide	SM 4500-CN- G	Primary Inorganic Contaminants	NELAP	10/11/2002
Ammonia as N	EPA 350.1	Secondary Inorganic Contaminants	NELAP	10/5/2009
Antimony	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	2/10/2005
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/14/2017
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Bromochloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/5/2009
Bromoform	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/5/2009
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Chlorate	EPA 300.1	Secondary Inorganic Contaminants	NELAP	2/14/2017
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	10/11/2002
Chloride	SM 4500-Cl ⁻ E	Secondary Inorganic Contaminants	NELAP	10/11/2002
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	2/14/2017
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Chloroform	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/5/2009
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015

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Issue Date: 7/1/2018**Expiration Date: 6/30/2019**

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Analyte	Method/Tech	Category	Certification Type	Effective Date
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	10/5/2009
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	10/11/2002
Copper	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Copper	SM 3113 B	Primary Inorganic Contaminants	NELAP	10/5/2009
Cyanide	SM 4500-CN E	Primary Inorganic Contaminants	NELAP	9/3/2015
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Dibromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/5/2009
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Dichloromethane (DCM, Methylene chloride)	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	1/28/2013
Escherichia coli	SM 9221 F	Microbiology	NELAP	5/25/2012
Escherichia coli	SM 9223 B	Microbiology	NELAP	2/14/2003
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Fluoride	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Fluoride	SM 4500 F-C	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	10/11/2002
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	2/14/2017
Hardness	SM 2340 C	Secondary Inorganic Contaminants	NELAP	10/5/2009
Hardness (calc.)	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/14/2017
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	10/11/2002
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Lead	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Lead	SM 3113 B	Primary Inorganic Contaminants	NELAP	10/5/2009
Magnesium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	10/5/2009
Molybdenum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Nitrate	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Nitrate	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	10/11/2002
Nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Nitrite	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	10/11/2002
Odor	SM 2150 B	Secondary Inorganic Contaminants	NELAP	10/11/2002
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Orthophosphate as P	EPA 365.1	Primary Inorganic Contaminants	NELAP	10/11/2002
pH	EPA 150.1	Secondary Inorganic Contaminants	NELAP	10/11/2002
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	10/5/2009
Phosphorus, total	EPA 365.4	Secondary Inorganic Contaminants	NELAP	10/5/2009
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Silica as SiO ₂	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/14/2017
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Sulfate	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Sulfide	SM 4500-S D/UV-VIS	Secondary Inorganic Contaminants	NELAP	10/5/2009
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Total coliforms	SM 9222 B	Microbiology	NELAP	2/14/2003
Total coliforms	SM 9223 B	Microbiology	NELAP	2/14/2003
Total dissolved solids	EPA 160.1	Secondary Inorganic Contaminants	NELAP	6/13/2014
Total dissolved solids	SM 2540 C	Secondary Inorganic Contaminants	NELAP	10/5/2009
Total haloacetic acids (HAA5)	EPA 552.2	Synthetic Organic Contaminants	NELAP	10/5/2009
Total nitrate-nitrite	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	10/11/2002
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	10/11/2002
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	10/5/2009
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Trichloroethene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	10/11/2002
UV 254	SM 5910 B	Primary Inorganic Contaminants	NELAP	10/5/2009
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015

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Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,1-Trichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,1-Trichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,2,2-Tetrachloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,2-Trichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,2-Trichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1-Dichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloroethylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,3-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,3-Trichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,4,5-Tetrachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2,4-Trichlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1,2,4-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,4-Trichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2,4-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	Volatile Organics	NELAP	10/16/2014
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011	Volatile Organics	NELAP	10/16/2014
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2-Dichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichloropropane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Diphenylhydrazine	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,3-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,3-Dichlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1,3-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009

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Analyte	Method/Tech	Category	Certification Type	Effective Date
1,3-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,3-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,4-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,4-Dichlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	2/14/2017
1-Methylnaphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,3,4,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,3-Dichloroaniline	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4,5-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4,6-Trichlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4,6-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dichlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dimethylphenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dimethylphenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dinitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dinitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,6-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Chloroethyl vinyl ether	EPA 624.1	Volatile Organics	NELAP	1/22/2018
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Chloronaphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Chlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018

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Analyte	Method/Tech	Category	Certification Type	Effective Date
2-Chlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Hexanone	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Methyl-4,6-dinitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Methylnaphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Methylphenol (o-Cresol)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Nitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Picoline (2-Methylpyridine)	EPA 8270	Extractable Organics	NELAP	10/26/2009
3,3'-Dichlorobenzidine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
3/4-Methylphenols (m/p-Cresols)	EPA 8270	Extractable Organics	NELAP	10/26/2009
3-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
4,4'-DDD	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
4,4'-DDD	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4,4'-DDE	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
4,4'-DDE	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4,4'-DDT	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4-Aminobiphenyl	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Bromophenyl phenyl ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Bromophenyl phenyl ether	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chloro-3-methylphenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Chloro-3-methylphenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chlorophenyl phenylether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
4-Dimethyl aminoazobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Methyl-2-pentanone (MIBK)	EPA 8260	Volatile Organics	NELAP	10/26/2009
4-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Nitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018

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Issue Date: 7/1/2018**Expiration Date: 6/30/2019**

**Laboratory Scope of Accreditation**

Attachment to Certificate #: E84589-53, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E84589**EPA Lab Code: **FL01092****(813) 630-9616****E84589****Advanced Environmental Laboratories, Inc. - Tampa****9610 Princess Palm Avenue****Tampa, FL 33619**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
7,12-Dimethylbenz(a) anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
a,a-Dimethylphenethylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acenaphthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Acenaphthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acenaphthylene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acetone	EPA 8260	Volatile Organics	NELAP	10/26/2009
Acetonitrile	EPA 8260	Volatile Organics	NELAP	2/14/2017
Acetophenone	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acrolein (Propenal)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Acrylonitrile	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	10/26/2009
Aldrin	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Alkalinity as CaCO ₃	SM 2320 B	General Chemistry	NELAP	7/10/2009
Allyl chloride (3-Chloropropene)	EPA 8260	Volatile Organics	NELAP	2/14/2017
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
alpha-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
alpha-Terpineol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Aluminum	EPA 200.7	Metals	NELAP	10/5/2009
Aluminum	EPA 6010	Metals	NELAP	10/5/2009
Amenable cyanide	SM 4500-CN- G	General Chemistry	NELAP	10/11/2002
Ammonia as N	EPA 350.1	General Chemistry	NELAP	10/11/2002
Aniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
Anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Antimony	EPA 200.7	Metals	NELAP	10/5/2009
Antimony	EPA 6010	Metals	NELAP	10/5/2009
Aroclor-1016 (PCB-1016)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1016 (PCB-1016)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1221 (PCB-1221)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1221 (PCB-1221)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1232 (PCB-1232)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Aroclor-1232 (PCB-1232)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1242 (PCB-1242)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1242 (PCB-1242)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1248 (PCB-1248)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1248 (PCB-1248)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1254 (PCB-1254)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1254 (PCB-1254)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1260 (PCB-1260)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Arsenic	EPA 200.7	Metals	NELAP	10/5/2009
Arsenic	EPA 6010	Metals	NELAP	10/5/2009
Barium	EPA 200.7	Metals	NELAP	10/5/2009
Barium	EPA 6010	Metals	NELAP	10/5/2009
Benzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Benzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Benzidine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(a)anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(a)anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(a)pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(a)pyrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(b)fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(b)fluoranthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(g,h,i)perylene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(k)fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzoic acid	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzyl alcohol	EPA 8270	Extractable Organics	NELAP	10/26/2009
Beryllium	EPA 200.7	Metals	NELAP	10/5/2009
Beryllium	EPA 6010	Metals	NELAP	10/5/2009
beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Biochemical oxygen demand	SM 5210 B	General Chemistry	NELAP	10/11/2002
bis(2-Chloroethoxy)methane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
bis(2-Chloroethoxy)methane	EPA 8270	Extractable Organics	NELAP	10/26/2009

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Analyte	Method/Tech	Category	Certification Type	Effective Date
bis(2-Chloroethyl) ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	10/26/2009
Boron	EPA 200.7	Metals	NELAP	10/5/2009
Boron	EPA 6010	Metals	NELAP	10/5/2009
Bromate	EPA 300.1	General Chemistry	NELAP	2/10/2005
Bromide	EPA 300.0	General Chemistry	NELAP	10/11/2002
Bromobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromochloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromodichloromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromoform	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Bromoform	EPA 8260	Volatile Organics	NELAP	10/26/2009
Butyl benzyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Butyl benzyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Cadmium	EPA 200.7	Metals	NELAP	10/5/2009
Cadmium	EPA 6010	Metals	NELAP	10/5/2009
Calcium	EPA 200.7	Metals	NELAP	10/5/2009
Calcium	EPA 6010	Metals	NELAP	10/5/2009
Carbazole	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Carbazole	EPA 8270	Extractable Organics	NELAP	10/26/2009
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	10/26/2009
Carbon tetrachloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Carbon tetrachloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Carbonaceous BOD (CBOD)	SM 5210 B	General Chemistry	NELAP	10/11/2002
Chemical oxygen demand	EPA 410.4	General Chemistry	NELAP	10/11/2002
Chlorate	EPA 300.1	General Chemistry	NELAP	2/14/2017
Chlordane (tech.)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Chloride	EPA 300.0	General Chemistry	NELAP	10/11/2002
Chloride	SM 4500-Cl ⁻ E	General Chemistry	NELAP	7/10/2009
Chlorite	EPA 300.0	General Chemistry	NELAP	10/11/2002
Chlorite	EPA 300.1	General Chemistry	NELAP	2/14/2017
Chlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Chloroform	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chloroform	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chloroprene	EPA 8260	Volatile Organics	NELAP	2/14/2017
Chromium	EPA 200.7	Metals	NELAP	10/5/2009
Chromium	EPA 6010	Metals	NELAP	10/5/2009
Chromium VI	SM 3500-Cr D (18th/19th Ed.)/UV-VIS	General Chemistry	NELAP	10/11/2002
Chrysene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Chrysene	EPA 8270	Extractable Organics	NELAP	10/26/2009
cis-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
cis-1,3-Dichloropropene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
cis-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Cobalt	EPA 200.7	Metals	NELAP	10/5/2009
Cobalt	EPA 6010	Metals	NELAP	10/5/2009
Color	SM 2120 B	General Chemistry	NELAP	10/11/2002
Conductivity	EPA 120.1	General Chemistry	NELAP	10/11/2002
Copper	EPA 200.7	Metals	NELAP	10/5/2009
Copper	EPA 200.9	Metals	NELAP	5/25/2012
Copper	EPA 6010	Metals	NELAP	10/5/2009
Cyanide	SM 4500-CN E	General Chemistry	NELAP	10/11/2002
delta-BHC	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
delta-BHC	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Di(2-ethylhexyl) phthalate (DEHP)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dibenz(a,h)anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Dibenz(a,h)anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dibenzofuran	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dibromochloromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Dibromochloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dibromomethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dichlorodifluoromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dieldrin	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Diethyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-isopropylether (DIPE)	EPA 8260	Volatile Organics	NELAP	5/25/2012
Dimethyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-n-butyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-n-octyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Diphenylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dissolved organic carbon (DOC)	SM 5310 B	General Chemistry	NELAP	10/5/2009
Endosulfan I	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endosulfan I	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endosulfan II	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endosulfan II	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endosulfan sulfate	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endrin	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endrin aldehyde	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endrin aldehyde	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endrin ketone	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Enterococci	SM 9230 C	Microbiology	NELAP	2/10/2015
Escherichia coli	EPA 1603	Microbiology	NELAP	2/14/2017
Ethanol	EPA 8260	Volatile Organics	NELAP	5/25/2012
Ethyl methacrylate	EPA 8260	Volatile Organics	NELAP	2/14/2017
Ethyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Ethylbenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Ethyl-t-butylether (ETBE)	EPA 8260	Volatile Organics	NELAP	5/25/2012
Fecal coliforms	SM 9221 E	Microbiology	NELAP	10/11/2002
Fecal coliforms	SM 9222 D	Microbiology	NELAP	10/11/2002
Fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Fluoranthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Fluorene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Fluorene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Fluoride	EPA 300.0	General Chemistry	NELAP	5/1/2003
Fluoride	SM 4500 F-C	General Chemistry	NELAP	5/1/2003
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018

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Analyte	Method/Tech	Category	Certification Type	Effective Date
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
gamma-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Hardness	SM 2340 B	General Chemistry	NELAP	10/5/2009
Hardness (calc.)	EPA 200.7	Metals	NELAP	10/5/2009
Heptachlor	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Heptachlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Heptachlor epoxide	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	10/5/2009
Hexachlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachlorobutadiene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorobutadiene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Hexachlorobutadiene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachlorocyclopentadiene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachloroethane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	10/26/2009
Indeno(1,2,3-cd)pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Indeno(1,2,3-cd)pyrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Iodomethane (Methyl iodide)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Iron	EPA 200.7	Metals	NELAP	10/5/2009
Iron	EPA 6010	Metals	NELAP	10/5/2009
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260	Volatile Organics	NELAP	2/14/2017
Isophorone	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Isophorone	EPA 8270	Extractable Organics	NELAP	10/26/2009
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Kjeldahl nitrogen - total	EPA 351.2	General Chemistry	NELAP	4/7/2003
Lead	EPA 200.7	Metals	NELAP	10/5/2009
Lead	EPA 6010	Metals	NELAP	10/5/2009
m/p-Xylenes	EPA 8260	Volatile Organics	NELAP	10/26/2009
m+p-Xylenes	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Magnesium	EPA 200.7	Metals	NELAP	10/5/2009
Magnesium	EPA 6010	Metals	NELAP	10/5/2009
Manganese	EPA 200.7	Metals	NELAP	10/5/2009
Manganese	EPA 6010	Metals	NELAP	10/5/2009

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Mercury	EPA 245.1	Metals	NELAP	10/16/2015
Mercury	EPA 7470	Metals	NELAP	10/16/2015
Methoxychlor	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Methyl bromide (Bromomethane)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methyl chloride (Chloromethane)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methyl methacrylate	EPA 8260	Volatile Organics	NELAP	2/14/2017
Methyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Methyl tert-butyl ether (MTBE)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methylene chloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methylene chloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Molybdenum	EPA 200.7	Metals	NELAP	10/5/2009
Molybdenum	EPA 6010	Metals	NELAP	10/5/2009
Naphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Naphthalene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Naphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Naphthalene (without SIM)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
n-Decane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Nickel	EPA 200.7	Metals	NELAP	10/5/2009
Nickel	EPA 200.9	Metals	NELAP	5/25/2012
Nickel	EPA 6010	Metals	NELAP	10/5/2009
Nitrate	EPA 300.0	General Chemistry	NELAP	10/11/2002
Nitrate as N	SM 4500-NO3 F	General Chemistry	NELAP	10/11/2002
Nitrate-nitrite	EPA 300.0	General Chemistry	NELAP	10/11/2002
Nitrate-nitrite	SM 4500-NO3 F	General Chemistry	NELAP	10/11/2002
Nitrite	EPA 300.0	General Chemistry	NELAP	10/11/2002
Nitrite	SM 4500-NO3 F	General Chemistry	NELAP	10/5/2009
Nitrobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosodimethylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitroso-di-n-butylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009

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Issue Date: 7/1/2018**Expiration Date: 6/30/2019**

**Laboratory Scope of Accreditation**

Attachment to Certificate #: E84589-53, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E84589**EPA Lab Code: **FL01092****(813) 630-9616****E84589****Advanced Environmental Laboratories, Inc. - Tampa****9610 Princess Palm Avenue****Tampa, FL 33619**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
n-Nitrosodi-n-propylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosodiphenylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosopiperidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Octadecane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Odor	SM 2150 B	General Chemistry	NELAP	10/5/2009
Organic nitrogen	EPA 351.2 - EPA 350.1	General Chemistry	NELAP	4/7/2003
Orthophosphate as P	EPA 300.0	General Chemistry	NELAP	10/11/2002
Orthophosphate as P	EPA 365.1	General Chemistry	NELAP	10/11/2002
o-Xylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
o-Xylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Pentachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pentachloronitrobenzene (Quintozene)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pentachlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
pH	EPA 150.1	General Chemistry	NELAP	4/7/2003
pH	SM 4500-H+-B	General Chemistry	NELAP	7/10/2009
Phenacetin	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phenanthrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Phenanthrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Phenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phosphorus, total	EPA 365.4	General Chemistry	NELAP	10/11/2002
p-Isopropyltoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Potassium	EPA 200.7	Metals	NELAP	10/5/2009
Potassium	EPA 6010	Metals	NELAP	10/5/2009
Pronamide (Kerb)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Propionitrile (Ethyl cyanide)	EPA 8260	Volatile Organics	NELAP	2/14/2017
Pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pyrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pyridine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pyridine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Residue-filterable (TDS)	EPA 160.1	General Chemistry	NELAP	10/11/2002
Residue-filterable (TDS)	SM 2540 C	General Chemistry	NELAP	7/10/2009

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Residue-nonfilterable (TSS)	EPA 160.2	General Chemistry	NELAP	10/11/2002
Residue-nonfilterable (TSS)	SM 2540 D	General Chemistry	NELAP	7/10/2009
Residue-total	EPA 160.3	General Chemistry	NELAP	10/11/2002
Residue-total	SM 2540 B	General Chemistry	NELAP	7/10/2009
Residue-volatile	EPA 160.4	General Chemistry	NELAP	10/11/2002
Residue-volatile	SM 2540 E (17th ed.)	General Chemistry	NELAP	10/5/2009
Residue-volatile	SM 2540 G	General Chemistry	NELAP	5/25/2012
Salinity	SM 2520 B	General Chemistry	NELAP	10/5/2009
sec-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Selenium	EPA 200.7	Metals	NELAP	10/5/2009
Selenium	EPA 6010	Metals	NELAP	10/5/2009
Silver	EPA 200.7	Metals	NELAP	2/24/2015
Silver	EPA 6010	Metals	NELAP	2/24/2015
Sodium	EPA 200.7	Metals	NELAP	8/6/2013
Sodium	EPA 6010	Metals	NELAP	8/6/2013
Strontium	EPA 200.7	Metals	NELAP	10/5/2009
Strontium	EPA 6010	Metals	NELAP	10/5/2009
Styrene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Sulfate	EPA 300.0	General Chemistry	NELAP	10/11/2002
Sulfide	SM 4500-S D/UV-VIS	General Chemistry	NELAP	4/28/2017
T-amylmethylether (TAME)	EPA 8260	Volatile Organics	NELAP	5/25/2012
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260	Volatile Organics	NELAP	5/25/2012
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Tetrachloroethylene (Perchloroethylene)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Thallium	EPA 200.7	Metals	NELAP	10/5/2009
Thallium	EPA 6010	Metals	NELAP	10/5/2009
Tin	EPA 200.7	Metals	NELAP	10/5/2009
Tin	EPA 6010	Metals	NELAP	10/5/2009
Titanium	EPA 200.7	Metals	NELAP	10/5/2009
Titanium	EPA 6010	Metals	NELAP	10/5/2009
Toluene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Toluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Total coliforms	SM 9221 B	Microbiology	NELAP	10/11/2002
Total coliforms	SM 9222 B	Microbiology	NELAP	10/11/2002
Total hardness as CaCO3	SM 2340 C	General Chemistry	NELAP	10/11/2002

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State Laboratory ID: **E84589**EPA Lab Code: **FL01092****(813) 630-9616****E84589****Advanced Environmental Laboratories, Inc. - Tampa****9610 Princess Palm Avenue****Tampa, FL 33619**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Total nitrogen	TKN + Total nitrate-nitrite	General Chemistry	NELAP	10/5/2009
Total organic carbon	SM 5310 B	General Chemistry	NELAP	7/10/2009
Total Petroleum Hydrocarbons (TPH)	FL-PRO	Extractable Organics	NELAP	10/26/2009
Total phenolics	EPA 420.4	General Chemistry	NELAP	7/10/2009
Total, fixed, and volatile residue	SM 2540 G	General Chemistry	NELAP	5/25/2012
Toxaphene (Chlorinated camphene)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Toxaphene (Chlorinated camphene)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
trans-1,2-Dichloroethylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
trans-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
trans-1,3-Dichloropropene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
trans-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	5/25/2012
Trichloroethene (Trichloroethylene)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Trichlorofluoromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Turbidity	EPA 180.1	General Chemistry	NELAP	10/11/2002
Un-ionized Ammonia	DEP SOP 10/03/83	General Chemistry	NELAP	10/11/2002
UV 254	SM 5910 B	General Chemistry	NELAP	10/5/2009
Vanadium	EPA 200.7	Metals	NELAP	10/5/2009
Vanadium	EPA 6010	Metals	NELAP	10/5/2009
Vinyl acetate	EPA 8260	Volatile Organics	NELAP	10/26/2009
Vinyl chloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Xylene (total)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Xylene (total)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Zinc	EPA 200.7	Metals	NELAP	10/5/2009
Zinc	EPA 6010	Metals	NELAP	10/5/2009

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State Laboratory ID: **E84589**EPA Lab Code: **FL01092****(813) 630-9616****E84589****Advanced Environmental Laboratories, Inc. - Tampa****9610 Princess Palm Avenue****Tampa, FL 33619**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,1-Trichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,2-Trichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,3-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,3-Trichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,4,5-Tetrachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2,4-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,4-Trichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2,4-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2-Dichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,3-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,3-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,3-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	2/14/2017
1-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,3,4,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4,5-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4,6-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dimethylphenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dinitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009

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State Laboratory ID: **E84589**EPA Lab Code: **FL01092****(813) 630-9616****E84589****Advanced Environmental Laboratories, Inc. - Tampa****9610 Princess Palm Avenue****Tampa, FL 33619**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,6-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Chlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Hexanone	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	1/28/2013
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Picoline (2-Methylpyridine)	EPA 8270	Extractable Organics	NELAP	10/26/2009
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
3/4-Methylphenols (m/p-Cresols)	EPA 8270	Extractable Organics	NELAP	10/26/2009
3-Methylcholanthrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
3-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
4,4'-DDD	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4,4'-DDE	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4-Aminobiphenyl	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Bromophenyl phenyl ether	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chloro-3-methylphenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chloroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
4-Dimethyl aminoazobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Methyl-2-pentanone (MIBK)	EPA 8260	Volatile Organics	NELAP	10/26/2009
4-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
7,12-Dimethylbenz(a) anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
a,a-Dimethylphenethylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acenaphthene	EPA 8270	Extractable Organics	NELAP	10/26/2009

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acetone	EPA 8260	Volatile Organics	NELAP	10/26/2009
Acetonitrile	EPA 8260	Volatile Organics	NELAP	2/14/2017
Acetophenone	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	10/26/2009
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Allyl chloride (3-Chloropropene)	EPA 8260	Volatile Organics	NELAP	2/14/2017
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aluminum	EPA 6010	Metals	NELAP	10/5/2009
Ammonia as N	EPA 350.1	General Chemistry	NELAP	12/16/2013
Aniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
Anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Antimony	EPA 6010	Metals	NELAP	10/5/2009
Aroclor-1016 (PCB-1016)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1221 (PCB-1221)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1232 (PCB-1232)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	6/17/2016
Aroclor-1242 (PCB-1242)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	6/17/2016
Aroclor-1248 (PCB-1248)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1254 (PCB-1254)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Arsenic	EPA 6010	Metals	NELAP	10/5/2009
Barium	EPA 6010	Metals	NELAP	10/5/2009
Benzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Benzidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(a)anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(a)pyrene	EPA 8270	Extractable Organics	NELAP	4/29/2016
Benzo(b)fluoranthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	4/29/2016
Benzoic acid	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzyl alcohol	EPA 8270	Extractable Organics	NELAP	10/26/2009
Beryllium	EPA 6010	Metals	NELAP	10/5/2009
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	4/27/2016
bis(2-Chloroethoxy)methane	EPA 8270	Extractable Organics	NELAP	10/26/2009
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	10/26/2009

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Boron	EPA 6010	Metals	NELAP	10/5/2009
Bromobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromochloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromoform	EPA 8260	Volatile Organics	NELAP	10/26/2009
Butyl benzyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Cadmium	EPA 6010	Metals	NELAP	10/5/2009
Calcium	EPA 6010	Metals	NELAP	10/5/2009
Carbazole	EPA 8270	Extractable Organics	NELAP	10/26/2009
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	10/26/2009
Carbon tetrachloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/31/2016
Chloride	EPA 9056	General Chemistry	NELAP	2/14/2017
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chloroform	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chloroprene	EPA 8260	Volatile Organics	NELAP	2/14/2017
Chromium	EPA 6010	Metals	NELAP	10/5/2009
Chrysene	EPA 8270	Extractable Organics	NELAP	10/26/2009
cis-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
cis-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Cobalt	EPA 6010	Metals	NELAP	10/5/2009
Copper	EPA 6010	Metals	NELAP	10/5/2009
delta-BHC	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dibenz(a,h)anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dibenzofuran	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dibromochloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dibromomethane	EPA 8260	Volatile Organics	NELAP	2/20/2014
Dichlorodifluoromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-isopropylether (DIPE)	EPA 8260	Volatile Organics	NELAP	5/25/2012
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009

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Issue Date: 7/1/2018**Expiration Date: 6/30/2019**

**Laboratory Scope of Accreditation**

Attachment to Certificate #: E84589-53, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E84589**EPA Lab Code: **FL01092****(813) 630-9616****E84589****Advanced Environmental Laboratories, Inc. - Tampa****9610 Princess Palm Avenue****Tampa, FL 33619**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Diphenylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Endosulfan I	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endosulfan II	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	4/27/2016
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	4/27/2016
Endrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	4/27/2016
Endrin aldehyde	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Ethanol	EPA 8260	Volatile Organics	NELAP	5/25/2012
Ethyl methacrylate	EPA 8260	Volatile Organics	NELAP	2/14/2017
Ethyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Ethyl-t-butylether (ETBE)	EPA 8260	Volatile Organics	NELAP	5/25/2012
Fecal coliforms	SM 9221 E	Microbiology	NELAP	12/17/2004
Fecal coliforms	SM 9222 D	Microbiology	NELAP	12/17/2004
Fluoranthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Fluorene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Fluoride	EPA 9056	General Chemistry	NELAP	2/14/2017
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Heptachlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachlorobutadiene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Hexachlorobutadiene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	10/26/2009
Indeno(1,2,3-cd)pyrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Iodomethane (Methyl iodide)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Iron	EPA 6010	Metals	NELAP	10/5/2009
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260	Volatile Organics	NELAP	2/14/2017
Isophorone	EPA 8270	Extractable Organics	NELAP	10/26/2009
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Kjeldahl nitrogen - total	EPA 351.2	General Chemistry	NELAP	12/17/2004
Lead	EPA 6010	Metals	NELAP	10/5/2009
Magnesium	EPA 6010	Metals	NELAP	10/5/2009
Manganese	EPA 6010	Metals	NELAP	10/5/2009
Mercury	EPA 7471	Metals	NELAP	10/5/2009
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methyl methacrylate	EPA 8260	Volatile Organics	NELAP	2/14/2017
Methyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methylene chloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Molybdenum	EPA 6010	Metals	NELAP	10/5/2009
Naphthalene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Naphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Nickel	EPA 6010	Metals	NELAP	10/5/2009
Nitrate	EPA 9056	General Chemistry	NELAP	2/14/2017
Nitrate as N	SM 4500-NO3 F	General Chemistry	NELAP	12/17/2004
Nitrite	EPA 9056	General Chemistry	NELAP	2/14/2017
Nitrite	SM 4500-NO3 F	General Chemistry	NELAP	12/17/2004
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitroso-di-n-butylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosopiperidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Orthophosphate as P	EPA 9056	General Chemistry	NELAP	2/14/2017
o-Xylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Pentachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pentachloronitrobenzene (Quintozene)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
pH	EPA 9045	General Chemistry	NELAP	10/5/2009
Phenacetin	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phenanthrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phosphorus, total	EPA 365.4	General Chemistry	NELAP	12/17/2004
p-Isopropyltoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Potassium	EPA 6010	Metals	NELAP	10/5/2009
Pronamide (Kerb)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Propionitrile (Ethyl cyanide)	EPA 8260	Volatile Organics	NELAP	2/14/2017

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Analyte	Method/Tech	Category	Certification Type	Effective Date
p-Xylene as m/p xylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Pyrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pyridine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Residue-total	EPA 160.3	General Chemistry	NELAP	3/15/2007
Residue-total	SM 2540 B	General Chemistry	NELAP	7/10/2009
Residue-total	SM 2540 G	Metals	NELAP	10/5/2009
Residue-volatile	SM 2540 G	General Chemistry	NELAP	5/25/2012
sec-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Selenium	EPA 6010	Metals	NELAP	10/5/2009
Silica as SiO ₂	EPA 6010	Metals	NELAP	10/5/2009
Silver	EPA 6010	Metals	NELAP	10/5/2009
Sodium	EPA 6010	Metals	NELAP	10/5/2009
Strontium	EPA 6010	Metals	NELAP	10/5/2009
Styrene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Sulfate	EPA 9056	General Chemistry	NELAP	2/14/2017
Synthetic Precipitation Leaching Procedure	EPA 1312	General Chemistry	NELAP	5/25/2012
T-amylmethylether (TAME)	EPA 8260	Volatile Organics	NELAP	5/25/2012
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260	Volatile Organics	NELAP	5/25/2012
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Thallium	EPA 6010	Metals	NELAP	10/5/2009
Tin	EPA 6010	Metals	NELAP	10/5/2009
Titanium	EPA 6010	Metals	NELAP	10/5/2009
Toluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Total coliforms	SM 9222 B	Microbiology	NELAP	10/5/2009
Total nitrate-nitrite	EPA 9056	General Chemistry	NELAP	2/14/2017
Total nitrate-nitrite	SM 4500-NO ₃ F	General Chemistry	NELAP	12/17/2004
Total nitrogen	TKN + Total nitrate-nitrite	General Chemistry	NELAP	10/5/2009
Total organic carbon	EPA 9060	General Chemistry	NELAP	10/5/2009
Total Petroleum Hydrocarbons (TPH)	FL-PRO	Extractable Organics	NELAP	10/26/2009
Total, fixed, and volatile residue	SM 2540 G	General Chemistry	NELAP	5/25/2012
Toxaphene (Chlorinated camphene)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Toxicity Characteristic Leaching Procedure	EPA 1311	General Chemistry	NELAP	5/25/2012
trans-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
trans-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	5/25/2012

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State Laboratory ID: **E84589**

EPA Lab Code: **FL01092**

(813) 630-9616

E84589

**Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619**

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Vanadium	EPA 6010	Metals	NELAP	10/5/2009
Vinyl acetate	EPA 8260	Volatile Organics	NELAP	10/26/2009
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Xylene (total)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Zinc	EPA 6010	Metals	NELAP	10/5/2009