



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



E871106

ALS ENVIRONMENTAL
3352 128TH AVENUE
HOLLAND, MI 49424

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

NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS,
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 - 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



A blue ink signature of Patty A. Lewandowski.

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

NON-TRANSFERABLE E871106-10-07/01/2018
Supersedes all previously issued certificates

**Laboratory Scope of Accreditation**

Attachment to Certificate #: E871106-10, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E871106**EPA Lab Code: **MI00028****(616) 399-6070**

E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1,1-Trichloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
1,1,1-Trichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1,2,2-Tetrachloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1,2-Trichloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
1,1,2-Trichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1-Dichloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
1,1-Dichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1-Dichloroethylene	EPA 624	Volatile Organics	NELAP	7/1/2014
1,1-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2,3-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2,3-Trichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2,4-Trichlorobenzene	EPA 625	Volatile Organics	NELAP	7/1/2014
1,2,4-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2,4-Trichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,2,4-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dichlorobenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,2-Dichloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
1,2-Dichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dichloropropane	EPA 624	Volatile Organics	NELAP	7/1/2014
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,3-Dichlorobenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
1,3-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,3-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,3-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,4-Dichlorobenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	5/27/2015

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

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

**Laboratory Scope of Accreditation**

Attachment to Certificate #: E871106-10, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E871106**EPA Lab Code: **MI00028****(616) 399-6070****E871106****ALS Environmental****3352 128th Avenue****Holland, MI 49424**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 625	Extractable Organics	NELAP	7/1/2014
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4,5-T	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
2,4,5-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4,6-Trichlorophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2,4,6-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-D	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
2,4-Dichlorophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-Dimethylphenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2,4-Dimethylphenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-Dinitrophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2,4-Dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-Dinitrotoluene (2,4-DNT)	EPA 625	Volatile Organics	NELAP	7/1/2014
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,6-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,6-Dinitrotoluene (2,6-DNT)	EPA 625	Volatile Organics	NELAP	7/1/2014
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	7/1/2014
2-Chloroethyl vinyl ether	EPA 624	Volatile Organics	NELAP	7/1/2014
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	7/1/2014
2-Chloronaphthalene	EPA 625	Volatile Organics	NELAP	7/1/2014
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Chlorophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2-Chlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2014
2-Hexanone	EPA 8260	Volatile Organics	NELAP	7/1/2014
2-Methyl-4,6-dinitrophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Nitrophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
3,3'-Dichlorobenzidine	EPA 625	Volatile Organics	NELAP	7/1/2014

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ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2014
3-Methylphenol (m-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2014
3-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
4,4'-DDD	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4,4'-DDD	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4,4'-DDE	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4,4'-DDE	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4,4'-DDT	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4-Bromophenyl phenyl ether	EPA 625	Extractable Organics	NELAP	7/1/2014
4-Bromophenyl phenyl ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chloro-3-methylphenol	EPA 625	Volatile Organics	NELAP	7/1/2014
4-Chloro-3-methylphenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chloroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chlorophenyl phenylether	EPA 625	Extractable Organics	NELAP	7/1/2014
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2014
4-Methyl-2-pentanone (MIBK)	EPA 8260	Volatile Organics	NELAP	7/1/2014
4-Methylphenol (p-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Nitrophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
Acenaphthene	EPA 625	Extractable Organics	NELAP	7/1/2014
Acenaphthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Acenaphthylene	EPA 625	Extractable Organics	NELAP	7/1/2014
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Acetone	EPA 8260	Volatile Organics	NELAP	7/1/2014
Acidity, as CaCO3	SM 2310 B	General Chemistry	NELAP	7/1/2014
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Acrylonitrile	EPA 624	Volatile Organics	NELAP	7/1/2014
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2014
Aldrin	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Alkalinity as CaCO3	SM 2320 B	General Chemistry	NELAP	7/1/2014
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
alpha-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aluminum	EPA 200.7	Metals	NELAP	5/27/2015
Aluminum	EPA 200.8	Metals	NELAP	8/16/2013
Aluminum	EPA 6010	Metals	NELAP	5/27/2015
Aluminum	EPA 6020	Metals	NELAP	7/1/2014
Amenable cyanide	EPA 9012	General Chemistry	NELAP	5/27/2015
Amenable cyanide	SM 4500-CN- G	General Chemistry	NELAP	5/27/2015
Ammonia as N	EPA 350.1	General Chemistry	NELAP	7/1/2014
Ammonia as N	SM 4500-NH3 G	General Chemistry	NELAP	7/1/2014
Aniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
Anthracene	EPA 625	Extractable Organics	NELAP	7/1/2014
Anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Antimony	EPA 200.7	Metals	NELAP	5/27/2015
Antimony	EPA 200.8	Metals	NELAP	8/16/2013
Antimony	EPA 6010	Metals	NELAP	5/27/2015
Antimony	EPA 6020	Metals	NELAP	7/1/2014
Aroclor-1016 (PCB-1016)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1016 (PCB-1016)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1221 (PCB-1221)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1221 (PCB-1221)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1232 (PCB-1232)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1232 (PCB-1232)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1242 (PCB-1242)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1242 (PCB-1242)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1248 (PCB-1248)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1248 (PCB-1248)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1254 (PCB-1254)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1254 (PCB-1254)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1260 (PCB-1260)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Arsenic	EPA 200.7	Metals	NELAP	5/27/2015
Arsenic	EPA 200.8	Metals	NELAP	8/16/2013
Arsenic	EPA 6010	Metals	NELAP	5/27/2015
Arsenic	EPA 6020	Metals	NELAP	7/1/2014
Barium	EPA 200.7	Metals	NELAP	5/27/2015
Barium	EPA 200.8	Metals	NELAP	8/16/2013

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E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Barium	EPA 6010	Metals	NELAP	5/27/2015
Barium	EPA 6020	Metals	NELAP	7/1/2014
Benzene	EPA 624	Volatile Organics	NELAP	7/1/2014
Benzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Benzidine	EPA 625	Volatile Organics	NELAP	7/1/2014
Benzo(a)anthracene	EPA 625	Extractable Organics	NELAP	7/1/2014
Benzo(a)anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(a)pyrene	EPA 625	Extractable Organics	NELAP	7/1/2014
Benzo(a)pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(b)fluoranthene	EPA 625	Extractable Organics	NELAP	7/1/2014
Benzo(b)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(g,h,i)perylene	EPA 625	Extractable Organics	NELAP	7/1/2014
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(k)fluoranthene	EPA 625	Extractable Organics	NELAP	7/1/2014
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzyl chloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Beryllium	EPA 200.7	Metals	NELAP	5/27/2015
Beryllium	EPA 200.8	Metals	NELAP	8/16/2013
Beryllium	EPA 6010	Metals	NELAP	5/27/2015
Beryllium	EPA 6020	Metals	NELAP	7/1/2014
beta-BHC (beta-Hexachlorocyclohexane)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Biochemical oxygen demand	HACH 10360	General Chemistry	NELAP	7/1/2014
Biochemical oxygen demand	SM 5210 B	General Chemistry	NELAP	5/27/2015
bis(2-Chloroethoxy)methane	EPA 625	Extractable Organics	NELAP	7/1/2014
bis(2-Chloroethoxy)methane	EPA 8270	Extractable Organics	NELAP	7/1/2014
bis(2-Chloroethyl) ether	EPA 625	Extractable Organics	NELAP	7/1/2014
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
Boron	EPA 200.7	Metals	NELAP	5/27/2015
Boron	EPA 6010	Metals	NELAP	5/27/2015
Bromide	EPA 300.0	General Chemistry	NELAP	7/1/2014
Bromide	EPA 9056	General Chemistry	NELAP	7/1/2014
Bromobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Bromochloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Bromodichloromethane	EPA 624	Volatile Organics	NELAP	7/1/2014
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Bromoform	EPA 624	Volatile Organics	NELAP	7/1/2014
Bromoform	EPA 8260	Volatile Organics	NELAP	7/1/2014
Butyl benzyl phthalate	EPA 625	Volatile Organics	NELAP	7/1/2014
Butyl benzyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Cadmium	EPA 200.7	Metals	NELAP	5/27/2015
Cadmium	EPA 200.8	Metals	NELAP	8/16/2013
Cadmium	EPA 6010	Metals	NELAP	5/27/2015
Cadmium	EPA 6020	Metals	NELAP	7/1/2014
Calcium	EPA 200.7	Metals	NELAP	5/27/2015
Calcium	EPA 6010	Metals	NELAP	5/27/2015
Calcium	EPA 6020	Metals	NELAP	7/1/2014
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	7/1/2014
Carbon tetrachloride	EPA 624	Volatile Organics	NELAP	7/1/2014
Carbon tetrachloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Carbonaceous BOD (CBOD)	HACH 10360	General Chemistry	NELAP	7/1/2014
Carbonaceous BOD (CBOD)	SM 5210 B	General Chemistry	NELAP	5/27/2015
Chemical oxygen demand	EPA 410.4	General Chemistry	NELAP	7/1/2014
Chlordane (tech.)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Chloride	EPA 300.0	General Chemistry	NELAP	7/1/2014
Chloride	EPA 325.2	General Chemistry	NELAP	7/1/2014
Chloride	EPA 9056	General Chemistry	NELAP	7/1/2014
Chloride	SM 4500-Cl ⁻ C	General Chemistry	NELAP	7/1/2014
Chloride	SM 4500-Cl ⁻ E	General Chemistry	NELAP	7/1/2014
Chlorine	SM 4500-Cl G	General Chemistry	NELAP	7/1/2014
Chlorobenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
Chloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chloroform	EPA 624	Volatile Organics	NELAP	7/1/2014
Chloroform	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chromium	EPA 200.7	Metals	NELAP	5/27/2015
Chromium	EPA 200.8	Metals	NELAP	8/16/2013
Chromium	EPA 6010	Metals	NELAP	5/27/2015
Chromium	EPA 6020	Metals	NELAP	7/1/2014
Chromium VI	EPA 7196	General Chemistry	NELAP	7/1/2014

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Chromium VI	SM 3500-Cr B (20th/21st/22nd Ed.)/UV-VIS	General Chemistry	NELAP	7/1/2014
Chrysene	EPA 625	Extractable Organics	NELAP	7/1/2014
Chrysene	EPA 8270	Extractable Organics	NELAP	7/1/2014
cis-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2014
cis-1,3-Dichloropropene	EPA 624	Volatile Organics	NELAP	7/1/2014
cis-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Cobalt	EPA 200.7	Metals	NELAP	5/27/2015
Cobalt	EPA 200.8	Metals	NELAP	8/16/2013
Cobalt	EPA 6010	Metals	NELAP	5/27/2015
Cobalt	EPA 6020	Metals	NELAP	7/1/2014
Conductivity	EPA 120.1	General Chemistry	NELAP	7/1/2014
Conductivity	EPA 9050	General Chemistry	NELAP	5/27/2015
Conductivity	SM 2510 B	General Chemistry	NELAP	7/1/2014
Copper	EPA 200.7	Metals	NELAP	5/27/2015
Copper	EPA 200.8	Metals	NELAP	8/16/2013
Copper	EPA 6010	Metals	NELAP	5/27/2015
Copper	EPA 6020	Metals	NELAP	7/1/2014
Cyanide	SM 4500-CN E	General Chemistry	NELAP	7/1/2014
delta-BHC	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
delta-BHC	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Di(2-ethylhexyl) phthalate (DEHP)	EPA 625	Volatile Organics	NELAP	7/1/2014
Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dibenz(a,h)anthracene	EPA 625	Extractable Organics	NELAP	7/1/2014
Dibenz(a,h)anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dibenzofuran	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dibromochloromethane	EPA 624	Volatile Organics	NELAP	7/1/2014
Dibromochloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Dibromomethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Dichlorodifluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Dieldrin	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Diethyl ether	EPA 8260	Volatile Organics	NELAP	7/1/2014
Diethyl phthalate	EPA 625	Volatile Organics	NELAP	7/1/2014
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dimethoate	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	7/1/2014

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

**Laboratory Scope of Accreditation**

Attachment to Certificate #: E871106-10, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E871106**EPA Lab Code: **MI00028****(616) 399-6070**

E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Dimethyl phthalate	EPA 625	Volatile Organics	NELAP	7/1/2014
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Di-n-butyl phthalate	EPA 625	Volatile Organics	NELAP	7/1/2014
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Di-n-octyl phthalate	EPA 625	Volatile Organics	NELAP	7/1/2014
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Disulfoton	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan I	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan I	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan II	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan II	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan sulfate	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endrin	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endrin aldehyde	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endrin aldehyde	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endrin ketone	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Ethane	RSK-175	Volatile Organics	NELAP	5/27/2015
Ethanol	EPA 8015	Volatile Organics	NELAP	5/27/2015
Ethylbenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Ethylene	RSK-175	Volatile Organics	NELAP	5/27/2015
Ethylene glycol	EPA 8015	Volatile Organics	NELAP	5/27/2015
Famphur	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Fluoranthene	EPA 625	Extractable Organics	NELAP	7/1/2014
Fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Fluorene	EPA 625	Extractable Organics	NELAP	7/1/2014
Fluorene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Fluoride	EPA 300.0	General Chemistry	NELAP	7/1/2014
Fluoride	EPA 9056	General Chemistry	NELAP	7/1/2014
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
gamma-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Gasoline range organics (GRO)	EPA 8015	Volatile Organics	NELAP	7/1/2014

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E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Hardness	SM 2340 B	General Chemistry	NELAP	7/1/2014
Hardness	SM 2340 C	General Chemistry	NELAP	5/27/2015
Hardness (calc.)	EPA 200.7	Metals	NELAP	5/27/2015
Heptachlor	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Heptachlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Heptachlor epoxide	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Hexachlorobenzene	EPA 625	Volatile Organics	NELAP	7/1/2014
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachlorobutadiene	EPA 625	Volatile Organics	NELAP	7/1/2014
Hexachlorobutadiene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Hexachlorobutadiene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachlorocyclopentadiene	EPA 625	Volatile Organics	NELAP	7/1/2014
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachloroethane	EPA 625	Volatile Organics	NELAP	7/1/2014
Hexachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	7/1/2014
Indeno(1,2,3-cd)pyrene	EPA 625	Extractable Organics	NELAP	7/1/2014
Indeno(1,2,3-cd)pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Iodomethane (Methyl iodide)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Iron	EPA 200.7	Metals	NELAP	5/27/2015
Iron	EPA 6010	Metals	NELAP	5/27/2015
Iron	EPA 6020	Metals	NELAP	7/1/2014
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015	Volatile Organics	NELAP	5/27/2015
Isophorone	EPA 625	Volatile Organics	NELAP	7/1/2014
Isophorone	EPA 8270	Extractable Organics	NELAP	7/1/2014
Isopropyl alcohol (2-Propanol)	EPA 8015	Volatile Organics	NELAP	5/27/2015
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Kjeldahl nitrogen - total	EPA 351.2	General Chemistry	NELAP	7/1/2014
Lead	EPA 200.7	Metals	NELAP	5/27/2015
Lead	EPA 200.8	Metals	NELAP	8/16/2013
Lead	EPA 6010	Metals	NELAP	5/27/2015
Lead	EPA 6020	Metals	NELAP	7/1/2014
Lithium	EPA 6010	Metals	NELAP	5/27/2015
Magnesium	EPA 200.7	Metals	NELAP	5/27/2015
Magnesium	EPA 6010	Metals	NELAP	5/27/2015

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ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Magnesium	EPA 6020	Metals	NELAP	7/1/2014
Manganese	EPA 200.7	Metals	NELAP	5/27/2015
Manganese	EPA 200.8	Metals	NELAP	8/16/2013
Manganese	EPA 6010	Metals	NELAP	5/27/2015
Manganese	EPA 6020	Metals	NELAP	7/1/2014
Mercury	EPA 1631	Metals	NELAP	8/16/2013
Mercury	EPA 245.1	Metals	NELAP	8/16/2013
Mercury	EPA 7470	Metals	NELAP	7/1/2014
Methane	RSK-175	Volatile Organics	NELAP	5/27/2015
Methanol	EPA 8015	Volatile Organics	NELAP	5/27/2015
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Methyl bromide (Bromomethane)	EPA 624	Volatile Organics	NELAP	7/1/2014
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methyl chloride (Chloromethane)	EPA 624	Volatile Organics	NELAP	7/1/2014
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methyl parathion (Parathion, methyl)	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methylene chloride	EPA 624	Volatile Organics	NELAP	7/1/2014
Methylene chloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Molybdenum	EPA 200.7	Metals	NELAP	5/27/2015
Molybdenum	EPA 200.8	Metals	NELAP	8/16/2013
Molybdenum	EPA 6010	Metals	NELAP	5/27/2015
Molybdenum	EPA 6020	Metals	NELAP	7/1/2014
Naphthalene	EPA 625	Extractable Organics	NELAP	7/1/2014
Naphthalene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Naphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Butyl alcohol	EPA 8015	Volatile Organics	NELAP	5/27/2015
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Nickel	EPA 200.7	Metals	NELAP	5/27/2015
Nickel	EPA 200.8	Metals	NELAP	8/16/2013
Nickel	EPA 6010	Metals	NELAP	5/27/2015
Nickel	EPA 6020	Metals	NELAP	7/1/2014
Nitrate	EPA 300.0	General Chemistry	NELAP	7/1/2014
Nitrate	EPA 9056	General Chemistry	NELAP	7/1/2014
Nitrate as N	EPA 353.2	General Chemistry	NELAP	7/1/2014
Nitrate as N	SM 4500-NO3 F	General Chemistry	NELAP	7/1/2014

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Nitrate-nitrite	EPA 353.2	General Chemistry	NELAP	7/1/2014
Nitrate-nitrite	SM 4500-NO3 F	General Chemistry	NELAP	5/27/2015
Nitrite	EPA 300.0	General Chemistry	NELAP	7/1/2014
Nitrite	EPA 9056	General Chemistry	NELAP	7/1/2014
Nitrite	SM 4500-NO2-B	General Chemistry	NELAP	5/27/2015
Nitrite as N	EPA 353.2	General Chemistry	NELAP	7/1/2014
Nitrobenzene	EPA 625	Volatile Organics	NELAP	7/1/2014
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosodimethylamine	EPA 625	Volatile Organics	NELAP	7/1/2014
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosodi-n-propylamine	EPA 625	Volatile Organics	NELAP	7/1/2014
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosodiphenylamine	EPA 625	Volatile Organics	NELAP	7/1/2014
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Oil & Grease	EPA 1664A	General Chemistry	NELAP	7/1/2014
Orthophosphate as P	EPA 365.1	General Chemistry	NELAP	7/1/2014
Orthophosphate as P	SM 4500-P E	General Chemistry	NELAP	7/1/2014
o-Xylene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Parathion, ethyl	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Pentachlorophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
pH	EPA 9040	General Chemistry	NELAP	7/1/2014
pH	SM 4500-H+-B	General Chemistry	NELAP	7/1/2014
Phenanthrene	EPA 625	Extractable Organics	NELAP	7/1/2014
Phenanthrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Phenol	EPA 625	Volatile Organics	NELAP	7/1/2014
Phenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
Phorate	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Phosphorus, total	EPA 365.1	General Chemistry	NELAP	7/1/2014
Phosphorus, total	SM 4500-P E	General Chemistry	NELAP	7/1/2014
Potassium	EPA 200.7	Metals	NELAP	5/27/2015
Potassium	EPA 6010	Metals	NELAP	5/27/2015
Potassium	EPA 6020	Metals	NELAP	7/1/2014
Pyrene	EPA 625	Extractable Organics	NELAP	7/1/2014
Pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2014

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E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Pyridine	EPA 8270	Extractable Organics	NELAP	7/1/2014
Residue-filterable (TDS)	SM 2540 C	General Chemistry	NELAP	7/1/2014
Residue-nonfilterable (TSS)	SM 2540 D	General Chemistry	NELAP	7/1/2014
Residue-settleable	SM 2540 F	General Chemistry	NELAP	5/27/2015
Residue-total	SM 2540 B	General Chemistry	NELAP	7/1/2014
Residue-volatile	EPA 160.4	General Chemistry	NELAP	5/27/2015
sec-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Selenium	EPA 200.7	Metals	NELAP	5/27/2015
Selenium	EPA 200.8	Metals	NELAP	8/16/2013
Selenium	EPA 6010	Metals	NELAP	5/27/2015
Selenium	EPA 6020	Metals	NELAP	7/1/2014
Silver	EPA 200.7	Metals	NELAP	5/27/2015
Silver	EPA 200.8	Metals	NELAP	8/16/2013
Silver	EPA 6010	Metals	NELAP	5/27/2015
Silver	EPA 6020	Metals	NELAP	7/1/2014
Silvex (2,4,5-TP)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Sodium	EPA 200.7	Metals	NELAP	5/27/2015
Sodium	EPA 6010	Metals	NELAP	5/27/2015
Sodium	EPA 6020	Metals	NELAP	7/1/2014
Styrene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Sulfate	EPA 300.0	General Chemistry	NELAP	7/1/2014
Sulfate	EPA 9056	General Chemistry	NELAP	7/1/2014
Sulfide	EPA 9030/9034	General Chemistry	NELAP	7/1/2014
Sulfide	SM 4500-S F	General Chemistry	NELAP	7/1/2014
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8015	Volatile Organics	NELAP	5/27/2015
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Tetrachloroethylene (Perchloroethylene)	EPA 624	Volatile Organics	NELAP	7/1/2014
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Thallium	EPA 200.7	Metals	NELAP	5/27/2015
Thallium	EPA 200.8	Metals	NELAP	8/16/2013
Thallium	EPA 6010	Metals	NELAP	5/27/2015
Thallium	EPA 6020	Metals	NELAP	7/1/2014
Tin	EPA 200.7	Metals	NELAP	5/27/2015
Tin	EPA 6010	Metals	NELAP	5/27/2015
Titanium	EPA 200.7	Metals	NELAP	5/27/2015
Titanium	EPA 6010	Metals	NELAP	5/27/2015

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ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Toluene	EPA 624	Volatile Organics	NELAP	7/1/2014
Toluene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Total cyanide	ASTM D7511-09	General Chemistry	NELAP	5/27/2015
Total cyanide	EPA 335.4	General Chemistry	NELAP	7/1/2014
Total cyanide	EPA 9012	General Chemistry	NELAP	7/1/2014
Total nitrate-nitrite	EPA 300.0	General Chemistry	NELAP	7/1/2014
Total organic carbon	EPA 9060	General Chemistry	NELAP	5/27/2015
Total organic carbon	SM 5310 C	General Chemistry	NELAP	5/27/2015
Total phenolics	EPA 420.4	General Chemistry	NELAP	7/1/2014
Total phenolics	EPA 9066	General Chemistry	NELAP	7/1/2014
Toxaphene (Chlorinated camphene)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Toxaphene (Chlorinated camphene)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
trans-1,2-Dichloroethylene	EPA 624	Volatile Organics	NELAP	7/1/2014
trans-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2014
trans-1,3-Dichloropropene	EPA 624	Volatile Organics	NELAP	7/1/2014
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Trichloroethene (Trichloroethylene)	EPA 624	Volatile Organics	NELAP	7/1/2014
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Trichlorofluoromethane	EPA 624	Volatile Organics	NELAP	7/1/2014
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Turbidity	SM 2130 B	General Chemistry	NELAP	7/1/2014
Vanadium	EPA 200.7	Metals	NELAP	5/27/2015
Vanadium	EPA 200.8	Metals	NELAP	8/16/2013
Vanadium	EPA 6010	Metals	NELAP	5/27/2015
Vanadium	EPA 6020	Metals	NELAP	7/1/2014
Vinyl acetate	EPA 8260	Volatile Organics	NELAP	7/1/2014
Vinyl chloride	EPA 624	Volatile Organics	NELAP	7/1/2014
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Zinc	EPA 200.7	Metals	NELAP	5/27/2015
Zinc	EPA 200.8	Metals	NELAP	8/16/2013
Zinc	EPA 6010	Metals	NELAP	5/27/2015
Zinc	EPA 6020	Metals	NELAP	7/1/2014

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E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1,1-Trichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1,2-Trichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1-Dichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2,3-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2,3-Trichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2,4-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2,4-Trichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,2,4-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,2-Dichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,3-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,3-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,3-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	5/27/2015
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4,5-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4,6-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-Dimethylphenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-Dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,6-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	7/1/2014
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	7/1/2014

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

**Laboratory Scope of Accreditation**

Attachment to Certificate #: E871106-10, expiration date June 30, 2019. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E871106**EPA Lab Code: **MI00028****(616) 399-6070**

E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Chlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2014
2-Hexanone	EPA 8260	Volatile Organics	NELAP	7/1/2014
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2014
3-Methylphenol (m-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2014
3-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
4,4'-DDD	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4,4'-DDE	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4-Bromophenyl phenyl ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chloro-3-methylphenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chloroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2014
4-Methyl-2-pentanone (MIBK)	EPA 8260	Volatile Organics	NELAP	7/1/2014
4-Methylphenol (p-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
Acenaphthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Acetone	EPA 8260	Volatile Organics	NELAP	7/1/2014
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2014
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
alpha-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aluminum	EPA 6010	Metals	NELAP	5/27/2015
Aluminum	EPA 6020	Metals	NELAP	7/1/2014
Amenable cyanide	EPA 9012	General Chemistry	NELAP	5/27/2015
Aniline	EPA 8270	Extractable Organics	NELAP	7/1/2014

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State Laboratory ID: **E871106**EPA Lab Code: **MI00028****(616) 399-6070**

E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Antimony	EPA 6010	Metals	NELAP	5/27/2015
Antimony	EPA 6020	Metals	NELAP	7/1/2014
Aroclor-1016 (PCB-1016)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1221 (PCB-1221)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1232 (PCB-1232)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1242 (PCB-1242)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1248 (PCB-1248)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1254 (PCB-1254)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Arsenic	EPA 6010	Metals	NELAP	5/27/2015
Arsenic	EPA 6020	Metals	NELAP	7/1/2014
Barium	EPA 6010	Metals	NELAP	5/27/2015
Barium	EPA 6020	Metals	NELAP	7/1/2014
Benzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Benzo(a)anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(a)pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(b)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzyl chloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Beryllium	EPA 6010	Metals	NELAP	5/27/2015
Beryllium	EPA 6020	Metals	NELAP	7/1/2014
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
bis(2-Chloroethoxy)methane	EPA 8270	Extractable Organics	NELAP	7/1/2014
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
Boron	EPA 6010	Metals	NELAP	5/27/2015
Boron	EPA 6020	Metals	NELAP	7/1/2014
Bromide	EPA 9056	General Chemistry	NELAP	7/1/2014
Bromobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Bromochloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Bromoform	EPA 8260	Volatile Organics	NELAP	7/1/2014
Butyl benzyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Cadmium	EPA 6010	Metals	NELAP	5/27/2015
Cadmium	EPA 6020	Metals	NELAP	7/1/2014

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E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Calcium	EPA 6010	Metals	NELAP	5/27/2015
Calcium	EPA 6020	Metals	NELAP	7/1/2014
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	7/1/2014
Carbon tetrachloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Chloride	EPA 9056	General Chemistry	NELAP	7/1/2014
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chloroform	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chromium	EPA 6010	Metals	NELAP	5/27/2015
Chromium	EPA 6020	Metals	NELAP	7/1/2014
Chrysene	EPA 8270	Extractable Organics	NELAP	7/1/2014
cis-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2014
cis-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Cobalt	EPA 6010	Metals	NELAP	5/27/2015
Cobalt	EPA 6020	Metals	NELAP	7/1/2014
Copper	EPA 6010	Metals	NELAP	5/27/2015
Copper	EPA 6020	Metals	NELAP	7/1/2014
delta-BHC	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dibenz(a,h)anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dibenzofuran	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dibromochloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Dibromomethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Dichlorodifluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Diesel range organics (DRO)	EPA 8015	Extractable Organics	NELAP	7/1/2014
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Endosulfan I	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan II	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endrin aldehyde	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014

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E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Endrin ketone	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Fluorene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Fluoride	EPA 9056	General Chemistry	NELAP	7/1/2014
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
gamma-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Gasoline range organics (GRO)	EPA 8015	Extractable Organics	NELAP	7/1/2014
Heptachlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachlorobutadiene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Hexachlorobutadiene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	7/1/2014
Ignitability	EPA 1010	General Chemistry	NELAP	7/1/2014
Indeno(1,2,3-cd)pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Iodomethane (Methyl iodide)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Iron	EPA 6010	Metals	NELAP	5/27/2015
Iron	EPA 6020	Metals	NELAP	7/1/2014
Isophorone	EPA 8270	Extractable Organics	NELAP	7/1/2014
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Lead	EPA 6010	Metals	NELAP	5/27/2015
Lead	EPA 6020	Metals	NELAP	7/1/2014
Lithium	EPA 6010	Metals	NELAP	5/27/2015
Magnesium	EPA 6010	Metals	NELAP	5/27/2015
Magnesium	EPA 6020	Metals	NELAP	7/1/2014
Manganese	EPA 6010	Metals	NELAP	5/27/2015
Manganese	EPA 6020	Metals	NELAP	7/1/2014
Mercury	EPA 7471	Metals	NELAP	7/1/2014
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methylene chloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Molybdenum	EPA 6010	Metals	NELAP	5/27/2015

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ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Molybdenum	EPA 6020	Metals	NELAP	7/1/2014
Naphthalene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Naphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Nickel	EPA 6010	Metals	NELAP	5/27/2015
Nickel	EPA 6020	Metals	NELAP	7/1/2014
Nitrate	EPA 9056	General Chemistry	NELAP	7/1/2014
Nitrite	EPA 9056	General Chemistry	NELAP	7/1/2014
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Oil & Grease	EPA 9071	General Chemistry	NELAP	7/1/2014
Paint Filter Liquids Test	EPA 9095	General Chemistry	NELAP	7/1/2014
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
pH	EPA 9045	General Chemistry	NELAP	7/1/2014
Phenanthrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Phenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
Potassium	EPA 6010	Metals	NELAP	5/27/2015
Potassium	EPA 6020	Metals	NELAP	7/1/2014
Pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Pyridine	EPA 8270	Extractable Organics	NELAP	7/1/2014
Reactive cyanide	Sec. 7.3 SW-846	General Chemistry	NELAP	7/1/2014
Reactive sulfide	Sec. 7.3 SW-846	General Chemistry	NELAP	7/1/2014
sec-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Selenium	EPA 6010	Metals	NELAP	5/27/2015
Selenium	EPA 6020	Metals	NELAP	7/1/2014
Silver	EPA 6010	Metals	NELAP	5/27/2015
Silver	EPA 6020	Metals	NELAP	7/1/2014
Sodium	EPA 6010	Metals	NELAP	5/27/2015
Sodium	EPA 6020	Metals	NELAP	7/1/2014
Strontium	EPA 6010	Metals	NELAP	5/27/2015
Strontium	EPA 6020	Metals	NELAP	7/1/2014
Styrene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Sulfate	EPA 9056	General Chemistry	NELAP	7/1/2014

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E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Sulfide	EPA 9030/9034	General Chemistry	NELAP	7/1/2014
Synthetic Precipitation Leaching Procedure	EPA 1312	General Chemistry	NELAP	7/1/2014
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Thallium	EPA 6010	Metals	NELAP	5/27/2015
Thallium	EPA 6020	Metals	NELAP	7/1/2014
Tin	EPA 6010	Metals	NELAP	5/27/2015
Tin	EPA 6020	Metals	NELAP	7/1/2014
Titanium	EPA 6010	Metals	NELAP	5/27/2015
Titanium	EPA 6020	Metals	NELAP	7/1/2014
Toluene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Total cyanide	EPA 9012	General Chemistry	NELAP	7/1/2014
Total phenolics	EPA 9066	General Chemistry	NELAP	7/1/2014
Toxaphene (Chlorinated camphene)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Toxicity Characteristic Leaching Procedure	EPA 1311	General Chemistry	NELAP	7/1/2014
trans-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2014
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Vanadium	EPA 6010	Metals	NELAP	5/27/2015
Vanadium	EPA 6020	Metals	NELAP	7/1/2014
Vinyl acetate	EPA 8260	Volatile Organics	NELAP	7/1/2014
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Zinc	EPA 6010	Metals	NELAP	5/27/2015
Zinc	EPA 6020	Metals	NELAP	7/1/2014