



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

DRINKING WATER - GROUP III UNREGULATED CONTAMINANTS, 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: January 25, 2021 Expiration Date: June 30, 2021



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 E871106-16-01/25/2021
Supersedes all previously issued certificates



Laboratory Scope of Accreditation

Attachment to Certificate #: E871106-16, expiration date June 30, 2021. 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: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-CIPF3OUdS)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
2-(N-Methyl-perfluorooctane sulfonamido) acetic acid	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-CIPF3ONS)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorononanoate (PFNA, Perfluorononanoic Acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorooctane Sulfonic Acid (PFOS)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020
Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid)	EPA 537.1	Group III Unregulated Contaminants	NELAP	5/8/2020



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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: **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 624.1	Volatile Organics	NELAP	6/3/2019
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 624.1	Volatile Organics	NELAP	6/3/2019
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260	Volatile Organics	NELAP	10/6/2020
1,1,2-Trichloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
1,1,2-Trichloroethane	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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 624.1	Volatile Organics	NELAP	6/3/2019
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 624.1	Volatile Organics	NELAP	6/3/2019
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
1,2,3-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	10/6/2020
1,2,4,5-Tetrachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,2,4-Trichlorobenzene	EPA 624.1	Volatile Organics	NELAP	6/3/2019
1,2,4-Trichlorobenzene	EPA 625	Volatile Organics	NELAP	7/1/2014
1,2,4-Trichlorobenzene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 8011	Volatile Organics	NELAP	10/6/2020
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011	Volatile Organics	NELAP	10/6/2020
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 624.1	Volatile Organics	NELAP	6/3/2019
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014

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Issue Date: 1/25/2021

Expiration Date: 6/30/2021



Laboratory Scope of Accreditation

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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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,2-Dichloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
1,2-Dichloroethane	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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 624.1	Volatile Organics	NELAP	6/3/2019
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,2-Dinitrobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,2-Diphenylhydrazine (as Azobenzene)	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,3-Dichlorobenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
1,3-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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
1,3-Dinitrobenzene (1,3-DNB)	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,4-Dichlorobenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
1,4-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	6/3/2019
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,4-Dinitrobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	5/27/2015
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,4-Naphthoquinone	EPA 8270	Extractable Organics	NELAP	10/6/2020
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic Acid (11-CIPF3OUdS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic Acid (11-CIPF3OUdS)	HN-LCMS-002/8327 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic Acid (11-CIPF3OUdS)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorododecane Sulfonate (10:2 Fluorotelomersulfonic acid, 10:2 FTS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS)	EPA 8327	Extractable Organics	NELAP	5/8/2020

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Issue Date: 1/25/2021

Expiration Date: 6/30/2021



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EPA Lab Code: **MI00028**

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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
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	10/6/2020
1-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid	EPA 8327	Extractable Organics	NELAP	5/8/2020
2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
2-(N-Methyl-perfluorooctane sulfonamido) acetic acid	EPA 8327	Extractable Organics	NELAP	5/8/2020
2-(N-Methyl-perfluorooctane sulfonamido) acetic acid	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
2-(N-Methyl-perfluorooctane sulfonamido) acetic acid	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
2,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/6/2020
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 625.1	Extractable Organics	NELAP	6/3/2019
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,3,4,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	10/6/2020
2,3,5,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	10/6/2020
2,4,5-T	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
2,4,5-Trichlorophenol	EPA 625.1	Extractable Organics	NELAP	10/6/2020
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 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,4-Dimethylphenol	EPA 625	Volatile Organics	NELAP	7/1/2014

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Issue Date: 1/25/2021

Expiration Date: 6/30/2021



Laboratory Scope of Accreditation

Attachment to Certificate #: E871106-16, expiration date June 30, 2021. 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
2,4-Dimethylphenol	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Acetylaminofluorene	EPA 8270	Extractable Organics	NELAP	10/6/2020
2-Butanone (Methyl ethyl ketone, MEK)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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 624.1	Volatile Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Chlorophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2-Chlorophenol	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Methylnaphthalene	EPA 8260	Volatile Organics	NELAP	10/6/2020
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Nitrophenol	EPA 625	Volatile Organics	NELAP	7/1/2014
2-Nitrophenol	EPA 625.1	Extractable Organics	NELAP	6/3/2019

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ALS Environmental
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Holland, MI 49424

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Nitropropane	EPA 8260	Volatile Organics	NELAP	10/6/2020
2-Picoline (2-Methylpyridine)	EPA 8270	Extractable Organics	NELAP	10/6/2020
3,3'-Dichlorobenzidine	EPA 625	Volatile Organics	NELAP	7/1/2014
3,3'-Dichlorobenzidine	EPA 625.1	Extractable Organics	NELAP	6/3/2019
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2014
3,3'-Dimethylbenzidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
3-Methylcholanthrene	EPA 8270	Extractable Organics	NELAP	10/6/2020
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	HN-LCMS-002/8327 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
4-Aminobiphenyl	EPA 8270	Extractable Organics	NELAP	10/6/2020
4-Bromophenyl phenyl ether	EPA 625	Extractable Organics	NELAP	7/1/2014
4-Bromophenyl phenyl ether	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	7/1/2014
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2014
4-Dimethyl aminoazobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020

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Issue Date: 1/25/2021

Expiration Date: 6/30/2021



Laboratory Scope of Accreditation

Attachment to Certificate #: E871106-16, expiration date June 30, 2021. 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
4-Methyl-2-pentanone (MIBK)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
5-Nitro-o-toluidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
7,12-Dimethylbenz(a) anthracene	EPA 8270	Extractable Organics	NELAP	10/6/2020
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-CIPF3ONS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-CIPF3ONS)	HN-LCMS-002/8327 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-CIPF3ONS)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
a,a-Dimethylphenethylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
Acenaphthene	EPA 625	Extractable Organics	NELAP	7/1/2014
Acenaphthene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Acenaphthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Acenaphthylene	EPA 625	Extractable Organics	NELAP	7/1/2014
Acenaphthylene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Acetone	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Acetone	EPA 8260	Volatile Organics	NELAP	7/1/2014
Acetonitrile	EPA 8260	Volatile Organics	NELAP	10/6/2020
Acetophenone	EPA 8270	Extractable Organics	NELAP	10/6/2020
Acidity, as CaCO3	SM 2310 B-2011	General Chemistry	NELAP	1/25/2021
Acrolein (Propenal)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Acrylonitrile	EPA 624	Volatile Organics	NELAP	7/1/2014
Acrylonitrile	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2014
Aldrin	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aldrin	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Alkalinity as CaCO3	SM 2320 B-2011	General Chemistry	NELAP	1/25/2021
Allyl chloride (3-Chloropropene)	EPA 8260	Volatile Organics	NELAP	10/6/2020
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608	Pesticides-Herbicides-PCB's	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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 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-2011	General Chemistry	NELAP	1/25/2021
Ammonia as N	EPA 350.1	General Chemistry	NELAP	7/1/2014
Ammonia as N	SM 4500-NH3 G-2011	General Chemistry	NELAP	1/25/2021
Aniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
Anthracene	EPA 625	Extractable Organics	NELAP	7/1/2014
Anthracene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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
Aramite	EPA 8270	Extractable Organics	NELAP	10/6/2020
Aroclor-1016 (PCB-1016)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1016 (PCB-1016)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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

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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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aroclor-1254 (PCB-1254)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Aroclor-1262 (PCB-1262)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Aroclor-1268 (PCB-1268)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
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
Atrazine	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Available Cyanide	OIA 1677	General Chemistry	NELAP	10/6/2020
Barium	EPA 200.7	Metals	NELAP	5/27/2015
Barium	EPA 200.8	Metals	NELAP	8/16/2013
Barium	EPA 6010	Metals	NELAP	5/27/2015
Barium	EPA 6020	Metals	NELAP	7/1/2014
Benzaldehyde	EPA 8270	Extractable Organics	NELAP	10/6/2020
Benzene	EPA 624	Volatile Organics	NELAP	7/1/2014
Benzene	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Benzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Benzidine	EPA 625	Volatile Organics	NELAP	7/1/2014
Benzidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
Benzo(a)anthracene	EPA 625	Extractable Organics	NELAP	7/1/2014
Benzo(a)anthracene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzo(k)fluoranthene	EPA 625	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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Benzo(k)fluoranthene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Benzoic acid	EPA 8270	Extractable Organics	NELAP	10/6/2020
Benzyl alcohol	EPA 8270	Extractable Organics	NELAP	10/6/2020
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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-2011	General Chemistry	NELAP	1/25/2021
Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270	Extractable Organics	NELAP	10/6/2020
bis(2-Chloroethoxy)methane	EPA 625	Extractable Organics	NELAP	7/1/2014
bis(2-Chloroethoxy)methane	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
Boron	EPA 200.7	Metals	NELAP	5/27/2015
Boron	EPA 200.8	Metals	NELAP	10/6/2020
Boron	EPA 6010	Metals	NELAP	5/27/2015
Boron	EPA 6020	Metals	NELAP	10/6/2020
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 624.1	Volatile Organics	NELAP	6/3/2019
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Bromoform	EPA 624	Volatile Organics	NELAP	7/1/2014
Bromoform	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Bromoform	EPA 8260	Volatile Organics	NELAP	7/1/2014
Butyl benzyl phthalate	EPA 625	Volatile Organics	NELAP	7/1/2014

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(616) 399-6070

**E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424**

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Butyl benzyl phthalate	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 200.8	Metals	NELAP	10/6/2020
Calcium	EPA 6010	Metals	NELAP	5/27/2015
Calcium	EPA 6020	Metals	NELAP	7/1/2014
Caprolactam	EPA 8270	Extractable Organics	NELAP	10/6/2020
Carbazole	EPA 8270	Extractable Organics	NELAP	10/6/2020
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	7/1/2014
Carbon tetrachloride	EPA 624	Volatile Organics	NELAP	7/1/2014
Carbon tetrachloride	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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-2011	General Chemistry	NELAP	1/25/2021
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Chloride	EPA 300.0	General Chemistry	NELAP	7/1/2014
Chloride	EPA 9056	General Chemistry	NELAP	7/1/2014
Chloride	SM 4500-Cl- C-2011	General Chemistry	NELAP	1/25/2021
Chloride	SM 4500-Cl- E-2011	General Chemistry	NELAP	1/25/2021
Chlorobenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
Chlorobenzene	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chlorobenzilate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Chloroethane	EPA 624	Volatile Organics	NELAP	7/1/2014
Chloroethane	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Chloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chloroform	EPA 624	Volatile Organics	NELAP	7/1/2014
Chloroform	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Chloroform	EPA 8260	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
Chloroprene	EPA 8260	Volatile Organics	NELAP	10/6/2020
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
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 625.1	Extractable Organics	NELAP	6/3/2019
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 624.1	Volatile Organics	NELAP	6/3/2019
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-2011	General Chemistry	NELAP	1/25/2021
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
Cyclohexane	EPA 8260	Volatile Organics	NELAP	10/6/2020
delta-BHC	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
delta-BHC	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	7/1/2014
Diallate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Dibenz(a,h)anthracene	EPA 625	Extractable Organics	NELAP	7/1/2014
Dibenz(a,h)anthracene	EPA 625.1	Extractable Organics	NELAP	6/3/2019

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(616) 399-6070

**E871106
ALS Environmental
3352 128th Avenue
Holland, MI 49424**

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
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 624.1	Volatile Organics	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Diesel range organics (DRO)	EPA 8015	Extractable Organics	NELAP	10/6/2020
Diethyl ether	EPA 8260	Volatile Organics	NELAP	7/1/2014
Diethyl phthalate	EPA 625	Volatile Organics	NELAP	7/1/2014
Diethyl phthalate	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Di-isopropylether (DIPE)	EPA 8260	Volatile Organics	NELAP	10/6/2020
Dimethyl phthalate	EPA 625	Volatile Organics	NELAP	7/1/2014
Dimethyl phthalate	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270	Extractable Organics	NELAP	10/6/2020
Diphenylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
Endosulfan I	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endosulfan I	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014

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Issue Date: 1/25/2021

Expiration Date: 6/30/2021



Laboratory Scope of Accreditation

Attachment to Certificate #: E871106-16, expiration date June 30, 2021. 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
Endrin	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Endrin	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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
Ethyl acetate	EPA 624.1	Volatile Organics	NELAP	10/6/2020
Ethyl acetate	EPA 8260	Volatile Organics	NELAP	10/6/2020
Ethyl methacrylate	EPA 8260	Volatile Organics	NELAP	10/6/2020
Ethyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/6/2020
Ethylbenzene	EPA 624	Volatile Organics	NELAP	7/1/2014
Ethylbenzene	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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
Fluoranthene	EPA 625	Extractable Organics	NELAP	7/1/2014
Fluoranthene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Fluorene	EPA 625	Extractable Organics	NELAP	7/1/2014
Fluorene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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
Free cyanide	KELADA-01	General Chemistry	NELAP	10/6/2020
Free cyanide	OIA 1677	General Chemistry	NELAP	10/6/2020
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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
Hardness	SM 2340 B	General Chemistry	NELAP	7/1/2014
Hardness (calc.)	EPA 200.7	Metals	NELAP	5/27/2015

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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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Heptachlor	EPA 608	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Heptachlor	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Hexachlorobenzene	EPA 625	Volatile Organics	NELAP	7/1/2014
Hexachlorobenzene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachlorobutadiene	EPA 625	Volatile Organics	NELAP	7/1/2014
Hexachlorobutadiene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachloroethane	EPA 625	Volatile Organics	NELAP	7/1/2014
Hexachloroethane	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Hexachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachloropropene	EPA 8270	Extractable Organics	NELAP	10/6/2020
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	HN-LCMS-002/8327 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Indeno(1,2,3-cd)pyrene	EPA 625	Extractable Organics	NELAP	7/1/2014
Indeno(1,2,3-cd)pyrene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 200.8	Metals	NELAP	10/6/2020
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
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260	Volatile Organics	NELAP	10/6/2020
Isodrin	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020

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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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Isophorone	EPA 625	Volatile Organics	NELAP	7/1/2014
Isophorone	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Isophorone	EPA 8270	Extractable Organics	NELAP	7/1/2014
Isopropyl alcohol (2-Propanol)	EPA 8015	Volatile Organics	NELAP	5/27/2015
Isopropylbenzene	EPA 624.1	Volatile Organics	NELAP	10/6/2020
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Isosafrole	EPA 8270	Extractable Organics	NELAP	10/6/2020
Kepon	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Kjeldahl nitrogen - total	SM 4500-NH3 G-2011	General Chemistry	NELAP	10/6/2020
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
m+p-Xylenes	EPA 624.1	Volatile Organics	NELAP	6/3/2019
m+p-Xylenes	EPA 8260	Volatile Organics	NELAP	10/6/2020
Magnesium	EPA 200.7	Metals	NELAP	5/27/2015
Magnesium	EPA 200.8	Metals	NELAP	10/6/2020
Magnesium	EPA 6010	Metals	NELAP	5/27/2015
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
Methacrylonitrile	EPA 8260	Volatile Organics	NELAP	10/6/2020
Methane	RSK-175	Volatile Organics	NELAP	5/27/2015
Methanol	EPA 8015	Volatile Organics	NELAP	5/27/2015
Methapyrilene	EPA 8270	Extractable Organics	NELAP	10/6/2020
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Methyl acetate	EPA 8260	Volatile Organics	NELAP	10/6/2020
Methyl bromide (Bromomethane)	EPA 624	Volatile Organics	NELAP	7/1/2014
Methyl bromide (Bromomethane)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	7/1/2014

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Laboratory Scope of Accreditation

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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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Methyl chloride (Chloromethane)	EPA 624	Volatile Organics	NELAP	7/1/2014
Methyl chloride (Chloromethane)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methyl methacrylate	EPA 8260	Volatile Organics	NELAP	10/6/2020
Methyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/6/2020
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methylcyclohexane	EPA 8260	Volatile Organics	NELAP	10/6/2020
Methylene chloride	EPA 624	Volatile Organics	NELAP	7/1/2014
Methylene chloride	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
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-Butyl alcohol	EPA 8260	Volatile Organics	NELAP	10/6/2020
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
N-ethylperfluorooctanesulfonamidoethanol (EtFOSE)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
n-Heptane	EPA 8260	Volatile Organics	NELAP	10/6/2020
n-Hexane	EPA 8260	Volatile Organics	NELAP	10/6/2020
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-2011	General Chemistry	NELAP	1/25/2021
Nitrate-nitrite	EPA 353.2	General Chemistry	NELAP	7/1/2014
Nitrate-nitrite	SM 4500-NO3 ⁻ F-2011	General Chemistry	NELAP	1/25/2021

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EPA Lab Code: **MI00028**

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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
Nitrite	EPA 300.0	General Chemistry	NELAP	7/1/2014
Nitrite	EPA 9056	General Chemistry	NELAP	7/1/2014
Nitrite	SM 4500-NO2 ⁻ B-2011	General Chemistry	NELAP	1/25/2021
Nitrite as N	EPA 353.2	General Chemistry	NELAP	7/1/2014
Nitrobenzene	EPA 625	Volatile Organics	NELAP	7/1/2014
Nitrobenzene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
N-Methylperfluorooctane sulfonamide (MeFOSA)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
N-Methylperfluoro-octane sulfonamido ethanol (MeFOSE)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
n-Nitrosodiethylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosodimethylamine	EPA 625	Volatile Organics	NELAP	7/1/2014
n-Nitrosodimethylamine	EPA 625.1	Extractable Organics	NELAP	6/3/2019
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitroso-di-n-butylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosodi-n-propylamine	EPA 625	Volatile Organics	NELAP	7/1/2014
n-Nitrosodi-n-propylamine	EPA 625.1	Extractable Organics	NELAP	6/3/2019
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 625.1	Extractable Organics	NELAP	6/3/2019
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosomethylethylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosomorpholine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosopiperidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosopyrrolidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
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-2011	General Chemistry	NELAP	1/25/2021
o-Toluidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
o-Xylene	EPA 624.1	Volatile Organics	NELAP	6/3/2019
o-Xylene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Pentachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
Pentachloroethane	EPA 8270	Extractable Organics	NELAP	10/6/2020
Pentachloronitrobenzene (Quintozene)	EPA 8270	Extractable Organics	NELAP	10/6/2020
Pentachlorophenol	EPA 625	Volatile Organics	NELAP	7/1/2014

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Pentachlorophenol	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorododecane Sulfonate (PFDoS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorohexadecanoic acid ((PFHxDA, Perfluoro-n-hexadecanoic acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020

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Issue Date: 1/25/2021

Expiration Date: 6/30/2021



Laboratory Scope of Accreditation

Attachment to Certificate #: E871106-16, expiration date June 30, 2021. 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
Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorononane Sulfonic Acid (PFNS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorononane Sulfonic Acid (PFNS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorononane Sulfonic Acid (PFNS)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorononanoate (PFNA, Perfluorononanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorononanoate (PFNA, Perfluorononanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorononanoate (PFNA, Perfluorononanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoro-octadecanoate (PFODA, Perfluoro-octadecanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorooctane sulfonamide (PFOSA)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorooctane sulfonamide (PFOSA)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorooctane sulfonamide (PFOSA)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorooctane Sulfonic Acid (PFOS)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorooctane Sulfonic Acid (PFOS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorooctane Sulfonic Acid (PFOS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoropentane Sulfonic Acid (PFPeS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoropentane Sulfonic Acid (PFPeS)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoropentane Sulfonic Acid (PFPeS)	HN-LCMS-002/D7979-17 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020

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Laboratory Scope of Accreditation

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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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid)	ASTM D7979-17	Extractable Organics	NELAP	5/8/2020
Perfluoroundecanoic acid (PFUDA, Perfluoro-n-undecanoic acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoroundecanoic acid (PFUDA, Perfluoro-n-undecanoic acid)	HN-LCMS-001/537Mod / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
pH	EPA 9040	General Chemistry	NELAP	7/1/2014
pH	SM 4500-H+ B-2011	General Chemistry	NELAP	1/25/2021
Phenacetin	EPA 8270	Extractable Organics	NELAP	10/6/2020
Phenanthrene	EPA 625	Extractable Organics	NELAP	7/1/2014
Phenanthrene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Phenanthrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Phenol	EPA 625	Volatile Organics	NELAP	7/1/2014
Phenol	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Phenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
Phosphorus, total	EPA 365.1	General Chemistry	NELAP	7/1/2014
Phosphorus, total	SM 4500-P E-2011	General Chemistry	NELAP	1/25/2021
p-Isopropyltoluene	EPA 8260	Volatile Organics	NELAP	10/6/2020
Potassium	EPA 200.7	Metals	NELAP	5/27/2015
Potassium	EPA 200.8	Metals	NELAP	10/6/2020
Potassium	EPA 6010	Metals	NELAP	5/27/2015
Potassium	EPA 6020	Metals	NELAP	7/1/2014
Pronamide (Kerb)	EPA 8270	Extractable Organics	NELAP	10/6/2020
Propionitrile (Ethyl cyanide)	EPA 8260	Volatile Organics	NELAP	10/6/2020
Propylene Glycol	EPA 8015	Volatile Organics	NELAP	10/6/2020
Pyrene	EPA 625	Extractable Organics	NELAP	7/1/2014
Pyrene	EPA 625.1	Extractable Organics	NELAP	6/3/2019
Pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2014

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Laboratory Scope of Accreditation

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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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Pyridine	EPA 8270	Extractable Organics	NELAP	7/1/2014
Quinoline	EPA 8270	Extractable Organics	NELAP	10/6/2020
Residue-filterable (TDS)	SM 2540 C-2011	General Chemistry	NELAP	1/25/2021
Residue-nonfilterable (TSS)	SM 2540 D-2011	General Chemistry	NELAP	1/25/2021
Residue-settleable	SM 2540 F-2011	General Chemistry	NELAP	1/25/2021
Residue-total	SM 2540 B-2011	General Chemistry	NELAP	1/25/2021
Residue-volatile	EPA 160.4	General Chemistry	NELAP	5/27/2015
Residue-volatile	SM 2540 E-2011	General Chemistry	NELAP	10/6/2020
Safrole	EPA 8270	Extractable Organics	NELAP	10/6/2020
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 200.8	Metals	NELAP	10/6/2020
Sodium	EPA 6010	Metals	NELAP	5/27/2015
Sodium	EPA 6020	Metals	NELAP	7/1/2014
Strontium	EPA 200.8	Metals	NELAP	10/6/2020
Strontium	EPA 6010	Metals	NELAP	10/6/2020
Strontium	EPA 6020	Metals	NELAP	10/6/2020
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
Sulfate	SM 4500-SO4= E-2011	General Chemistry	NELAP	10/6/2020
Sulfide	EPA 9030/9034	General Chemistry	NELAP	7/1/2014
Sulfide	SM 4500-S2 ⁻ F-2011	General Chemistry	NELAP	1/25/2021
Surfactants - MBAS	SM 5540 C-2011	General Chemistry	NELAP	10/6/2020
T-amylmethylether (TAME)	EPA 8260	Volatile Organics	NELAP	10/6/2020
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 624.1	Volatile Organics	NELAP	10/6/2020
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8015	Volatile Organics	NELAP	5/27/2015

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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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260	Volatile Organics	NELAP	10/6/2020
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Tetrachloroethylene (Perchloroethylene)	EPA 624	Volatile Organics	NELAP	7/1/2014
Tetrachloroethylene (Perchloroethylene)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Tetrahydrofuran (THF)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Tetrahydrofuran (THF)	EPA 8260	Volatile Organics	NELAP	10/6/2020
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
Thorium	EPA 6020	Metals	NELAP	10/6/2020
Tin	EPA 200.7	Metals	NELAP	5/27/2015
Tin	EPA 200.8	Metals	NELAP	10/6/2020
Tin	EPA 6010	Metals	NELAP	5/27/2015
Tin	EPA 6020	Metals	NELAP	10/6/2020
Titanium	EPA 200.7	Metals	NELAP	5/27/2015
Titanium	EPA 200.8	Metals	NELAP	10/6/2020
Titanium	EPA 6010	Metals	NELAP	5/27/2015
Titanium	EPA 6020	Metals	NELAP	10/6/2020
Toluene	EPA 624	Volatile Organics	NELAP	7/1/2014
Toluene	EPA 624.1	Volatile Organics	NELAP	6/3/2019
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 cyanide	KELADA-01	General Chemistry	NELAP	10/6/2020
Total cyanide	SM 4500-CN ⁻ E-2011	General Chemistry	NELAP	1/25/2021
Total hardness as CaCO ₃	SM 2340 C-2011	General Chemistry	NELAP	1/25/2021
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-2011	General Chemistry	NELAP	1/25/2021
Total phenolics	EPA 420.4	General Chemistry	NELAP	7/1/2014
Total phenolics	EPA 9066	General Chemistry	NELAP	7/1/2014
Total residual chlorine	SM 4500-Cl G-2011	General Chemistry	NELAP	1/25/2021
Toxaphene (Chlorinated camphene)	EPA 608	Pesticides-Herbicides-PCB's	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: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Toxaphene (Chlorinated camphene)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	6/3/2019
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 624.1	Volatile Organics	NELAP	6/3/2019
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 624.1	Volatile Organics	NELAP	6/3/2019
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2014
trans-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	10/6/2020
Trichloroethene (Trichloroethylene)	EPA 624	Volatile Organics	NELAP	7/1/2014
Trichloroethene (Trichloroethylene)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Trichlorofluoromethane	EPA 624	Volatile Organics	NELAP	7/1/2014
Trichlorofluoromethane	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Turbidity	SM 2130 B-2011	General Chemistry	NELAP	1/25/2021
Uranium (mass)	EPA 6020	Metals	NELAP	10/6/2020
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 624.1	Volatile Organics	NELAP	6/3/2019
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	7/1/2014
Xylene (total)	EPA 624.1	Volatile Organics	NELAP	6/3/2019
Xylene (total)	EPA 8260	Volatile Organics	NELAP	10/6/2020
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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Laboratory Scope of Accreditation

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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
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-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260	Volatile Organics	NELAP	10/6/2020
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
1,2,3-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	10/6/2020
1,2,4,5-Tetrachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
1,2-Dinitrobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,2-Diphenylhydrazine (as Azobenzene)	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,3,5-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/6/2020
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
1,3-Dinitrobenzene (1,3-DNB)	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2014
1,4-Dinitrobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	5/27/2015
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270	Extractable Organics	NELAP	10/6/2020
1,4-Naphthoquinone	EPA 8270	Extractable Organics	NELAP	10/6/2020

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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
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic Acid (11-CIPF3OUdS)	HN-LCMS-002/8327 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic Acid (11-CIPF3OUdS)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
1-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	10/6/2020
1-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid	EPA 8327	Extractable Organics	NELAP	5/8/2020
2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
2-(N-Methyl-perfluorooctane sulfonamido) acetic acid	EPA 8327	Extractable Organics	NELAP	5/8/2020
2-(N-Methyl-perfluorooctane sulfonamido) acetic acid	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
2,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/6/2020
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2014
2,3,4,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	10/6/2020
2,3,5,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	10/6/2020
2,4,5-T	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
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-D	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
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-Acetylaminofluorene	EPA 8270	Extractable Organics	NELAP	10/6/2020
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	7/1/2014

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Issue Date: 1/25/2021

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Laboratory Scope of Accreditation

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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
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	7/1/2014
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 8260	Volatile Organics	NELAP	10/6/2020
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
2-Nitropropane	EPA 8260	Volatile Organics	NELAP	10/6/2020
2-Picoline (2-Methylpyridine)	EPA 8270	Extractable Organics	NELAP	10/6/2020
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2014
3,3'-Dimethylbenzidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
3-Methylcholanthrene	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	HN-LCMS-002/8327 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
4-Aminobiphenyl	EPA 8270	Extractable Organics	NELAP	10/6/2020
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-Dimethyl aminoazobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
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

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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
4-Nitroquinoline 1-oxide	EPA 8270	Extractable Organics	NELAP	10/6/2020
5-Nitro-o-toluidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
7,12-Dimethylbenz(a) anthracene	EPA 8270	Extractable Organics	NELAP	10/6/2020
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-CIPF3ONS)	HN-LCMS-002/8327 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-CIPF3ONS)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
a,a-Dimethylphenethylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Acetonitrile	EPA 8260	Volatile Organics	NELAP	10/6/2020
Acetophenone	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Allyl chloride (3-Chloropropene)	EPA 8260	Volatile Organics	NELAP	10/6/2020
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
Ammonia as N	SM 4500-NH3 G-2011	General Chemistry	NELAP	1/25/2021
Aniline	EPA 8270	Extractable Organics	NELAP	7/1/2014
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
Aramite	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Aroclor-1262 (PCB-1262)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Aroclor-1268 (PCB-1268)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/6/2020

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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
Arsenic	EPA 6010	Metals	NELAP	5/27/2015
Arsenic	EPA 6020	Metals	NELAP	7/1/2014
Atrazine	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Barium	EPA 6010	Metals	NELAP	5/27/2015
Barium	EPA 6020	Metals	NELAP	7/1/2014
Benzal chloride	EPA 8270	Extractable Organics	NELAP	10/6/2020
Benzaldehyde	EPA 8270	Extractable Organics	NELAP	10/6/2020
Benzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Benzidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Benzoic acid	EPA 8270	Extractable Organics	NELAP	10/6/2020
Benzyl alcohol	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Calcium	EPA 6010	Metals	NELAP	5/27/2015
Calcium	EPA 6020	Metals	NELAP	7/1/2014
Caprolactam	EPA 8270	Extractable Organics	NELAP	10/6/2020

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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
Carbazole	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Chlorobenzilate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Chloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chloroform	EPA 8260	Volatile Organics	NELAP	7/1/2014
Chloroprene	EPA 8260	Volatile Organics	NELAP	10/6/2020
Chromium	EPA 6010	Metals	NELAP	5/27/2015
Chromium	EPA 6020	Metals	NELAP	7/1/2014
Chromium VI	EPA 7196	General Chemistry	NELAP	10/6/2020
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
Cyclohexane	EPA 8260	Volatile Organics	NELAP	10/6/2020
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
Diallate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
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 ether	EPA 8260	Volatile Organics	NELAP	10/6/2020
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Di-isopropylether (DIPE)	EPA 8260	Volatile Organics	NELAP	10/6/2020
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014

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3352 128th Avenue
Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2014
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270	Extractable Organics	NELAP	10/6/2020
Diphenylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Endrin ketone	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Ethyl acetate	EPA 8260	Volatile Organics	NELAP	10/6/2020
Ethyl methacrylate	EPA 8260	Volatile Organics	NELAP	10/6/2020
Ethyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/6/2020
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Ethyl-t-butylether (ETBE)	EPA 8260	Volatile Organics	NELAP	10/6/2020
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 8260	Volatile Organics	NELAP	10/6/2020
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	7/1/2014
Hexachloropropene	EPA 8270	Extractable Organics	NELAP	10/6/2020
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	HN-LCMS-002/8327 / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
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

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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
Iron	EPA 6020	Metals	NELAP	7/1/2014
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260	Volatile Organics	NELAP	10/6/2020
Isodrin	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Isophorone	EPA 8270	Extractable Organics	NELAP	7/1/2014
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Isosafrole	EPA 8270	Extractable Organics	NELAP	10/6/2020
Kepon	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
Lead	EPA 6010	Metals	NELAP	5/27/2015
Lead	EPA 6020	Metals	NELAP	7/1/2014
Lithium	EPA 6010	Metals	NELAP	5/27/2015
Lithium	EPA 6020	Metals	NELAP	10/6/2020
m+p-Xylenes	EPA 8260	Volatile Organics	NELAP	10/6/2020
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
Methacrylonitrile	EPA 8260	Volatile Organics	NELAP	10/6/2020
Methapyrilene	EPA 8270	Extractable Organics	NELAP	10/6/2020
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2014
Methyl acetate	EPA 8260	Volatile Organics	NELAP	10/6/2020
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Methyl methacrylate	EPA 8260	Volatile Organics	NELAP	10/6/2020
Methyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
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-Butyl alcohol	EPA 8260	Volatile Organics	NELAP	10/6/2020
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
n-Heptane	EPA 8260	Volatile Organics	NELAP	10/6/2020
n-Hexane	EPA 8260	Volatile Organics	NELAP	10/6/2020
Nickel	EPA 6010	Metals	NELAP	5/27/2015

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Issue Date: 1/25/2021

Expiration Date: 6/30/2021



Laboratory Scope of Accreditation

Attachment to Certificate #: E871106-16, expiration date June 30, 2021. 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
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-Nitrosodiethylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitroso-di-n-butylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	7/1/2014
n-Nitrosomethylethylamine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosomorpholine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosopiperidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Nitrosopyrrolidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Oil & Grease	EPA 9071	General Chemistry	NELAP	7/1/2014
o-Toluidine	EPA 8270	Extractable Organics	NELAP	10/6/2020
o-Xylene	EPA 8260	Volatile Organics	NELAP	10/6/2020
Paint Filter Liquids	EPA 9095	General Chemistry	NELAP	7/1/2014
Pentachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/6/2020
Pentachloroethane	EPA 8270	Extractable Organics	NELAP	10/6/2020
Pentachloronitrobenzene (Quintozene)	EPA 8270	Extractable Organics	NELAP	10/6/2020
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorododecanoate (PFDoA, Pefluorododecanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorododecanoate (PFDoA, Pefluorododecanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020

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Holland, MI 49424

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorononane Sulfonic Acid (PFNS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorononane Sulfonic Acid (PFNS)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorononanoate (PFNA, Perfluorononanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorononanoate (PFNA, Perfluorononanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorooctane sulfonamide (PFOSA)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorooctane sulfonamide (PFOSA)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluorooctane Sulfonic Acid (PFOS)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorooctane Sulfonic Acid (PFOS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoropentane Sulfonic Acid (PFPeS)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluoropentane Sulfonic Acid (PFPeS)	HN-LCMS-002/D7968-17a / LC-MS-MS	Extractable Organics	NELAP	5/8/2020
Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020

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EPA Lab Code: **MI00028**

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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
Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid)	ASTM D7968-17A	Extractable Organics	NELAP	5/8/2020
Perfluoroundecanoic acid (PFUDA, Perfluoro-n-undecanoic acid)	EPA 8327	Extractable Organics	NELAP	5/8/2020
pH	EPA 9045	General Chemistry	NELAP	7/1/2014
Phenacetin	EPA 8270	Extractable Organics	NELAP	10/6/2020
Phenanthrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Phenol	EPA 8270	Extractable Organics	NELAP	7/1/2014
p-Isopropyltoluene	EPA 8260	Volatile Organics	NELAP	10/6/2020
Potassium	EPA 6010	Metals	NELAP	5/27/2015
Potassium	EPA 6020	Metals	NELAP	7/1/2014
Pronamide (Kerb)	EPA 8270	Extractable Organics	NELAP	10/6/2020
Propionitrile (Ethyl cyanide)	EPA 8260	Volatile Organics	NELAP	10/6/2020
Pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2014
Pyridine	EPA 8270	Extractable Organics	NELAP	7/1/2014
Quinoline	EPA 8270	Extractable Organics	NELAP	10/6/2020
Reactive Cyanide	s.7.3 SW-846	General Chemistry	NELAP	7/1/2014
Reactive sulfide	s.7.3 SW-846	General Chemistry	NELAP	7/1/2014
Residue-total	SM 2540 G-2011	General Chemistry	NELAP	10/6/2020
Residue-volatile	SM 2540 G-2011	General Chemistry	NELAP	10/6/2020
Safrole	EPA 8270	Extractable Organics	NELAP	10/6/2020
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
Silvex (2,4,5-TP)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/6/2020
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
Sulfide	EPA 9030/9034	General Chemistry	NELAP	7/1/2014
Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	General Chemistry	NELAP	7/1/2014
T-amylmethylether (TAME)	EPA 8260	Volatile Organics	NELAP	10/6/2020
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260	Volatile Organics	NELAP	10/6/2020

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Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2014
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Tetrahydrofuran (THF)	EPA 8260	Volatile Organics	NELAP	10/6/2020
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 (TCLP)	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
trans-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	10/6/2020
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2014
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2014
Uranium (mass)	EPA 6020	Metals	NELAP	10/6/2020
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
Xylene (total)	EPA 8260	Volatile Organics	NELAP	10/6/2020
Zinc	EPA 6010	Metals	NELAP	5/27/2015
Zinc	EPA 6020	Metals	NELAP	7/1/2014