



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



E87412

ALS ENVIRONMENTAL, KELSO
 1317 SOUTH 13TH AVENUE
 KELSO, WA 98626

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

DRINKING WATER - GROUP I UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP III UNREGULATED CONTAMINANTS, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, DRINKING WATER - SYNTHETIC ORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - 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, BIOLOGICAL TISSUE - EXTRACTABLE ORGANICS, BIOLOGICAL TISSUE - METALS, BIOLOGICAL TISSUE - PESTICIDES-HERBICIDES-PCB'S

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

Date Issued: July 01, 2021 Expiration Date: June 30, 2022



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

NON-TRANSFERABLE E87412-48-07/01/2021
 Supersedes all previously issued certificates



Laboratory Scope of Accreditation

Attachment to Certificate #: E87412-48, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Drinking Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------------|------------------------------------|--------------------|----------------|
| 1,1,1,2-Tetrachloroethane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,1,1-Trichloroethane | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| 1,1,2,2-Tetrachloroethane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,1,2-Trichloroethane | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| 1,1-Dichloroethane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,1-Dichloroethylene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| 1,1-Dichloropropene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,2,3-Trichlorobenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,2,3-Trichloropropane | EPA 504.1 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,2,3-Trichloropropane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,2,4-Trichlorobenzene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| 1,2,4-Trimethylbenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,2-Dibromo-3-chloropropane (DBCP) | EPA 504.1 | Synthetic Organic Contaminants | NELAP | 3/7/2012 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 504.1 | Synthetic Organic Contaminants | NELAP | 3/7/2012 |
| 1,2-Dichlorobenzene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| 1,2-Dichloroethane | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| 1,2-Dichloropropane | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| 1,3,5-Trimethylbenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,3-Dichlorobenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,3-Dichloropropane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 1,4-Dichlorobenzene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluorododecane Sulfonate (10:2 Fluorotelomersulfonic acid, 10:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| 2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| 2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| 2-(N-Methyl-perfluorooctane sulfonamido) acetic acid | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| 2-(N-Methyl-perfluorooctane sulfonamido) acetic acid | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| 2,2-Dichloropropane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| 2-Chlorotoluene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 5/16/2019 |
| 4-Chlorotoluene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Alkalinity as CaCO3 | SM 2320 B-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |

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

Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

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State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

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E87412
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| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|--------------------------|----------------|--|--------------------|----------------|
| Aluminum | EPA 200.7 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Aluminum | EPA 200.8 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Antimony | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Arsenic | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Barium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Barium | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Benzene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Beryllium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Beryllium | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Boron | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Bromoacetic acid | EPA 552.2 | Group I Unregulated Contaminants | NELAP | 3/7/2012 |
| Bromobenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Bromochloroacetic acid | EPA 552.2 | Group I Unregulated Contaminants | NELAP | 3/7/2012 |
| Bromochloromethane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Bromodichloromethane | EPA 524.2 | Other Regulated Contaminants, Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Bromoform | EPA 524.2 | Other Regulated Contaminants, Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Cadmium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Cadmium | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Calcium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Carbon tetrachloride | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Chloride | EPA 300.0 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Chloroacetic acid | EPA 552.2 | Group I Unregulated Contaminants | NELAP | 3/7/2012 |
| Chlorobenzene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Chloroethane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Chloroform | EPA 524.2 | Other Regulated Contaminants, Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Chromium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Chromium | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| cis-1,2-Dichloroethylene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| cis-1,3-Dichloropropene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Color | SM 2120 B-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |
| Conductivity | SM 2510 B-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |
| Copper | EPA 200.7 | Primary Inorganic Contaminants, Secondary Inorganic Contaminants | NELAP | 3/7/2012 |

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|--|--------------------------------|--|--------------------|----------------|
| Copper | EPA 200.8 | Primary Inorganic Contaminants, Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Cyanide | EPA 335.4 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Dibromoacetic acid | EPA 552.2 | Group I Unregulated Contaminants | NELAP | 3/7/2012 |
| Dibromochloromethane | EPA 524.2 | Other Regulated Contaminants, Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Dibromomethane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Dichloroacetic acid | EPA 552.2 | Group I Unregulated Contaminants | NELAP | 3/7/2012 |
| Dichlorodifluoromethane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Ethylbenzene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Fluoride | EPA 300.0 | Primary Inorganic Contaminants, Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Fluoride | SM 4500-F ⁻ C-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |
| Hardness | SM 2340 B-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |
| Hexachlorobutadiene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Iron | EPA 200.7 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Isopropylbenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Lead | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Magnesium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Manganese | EPA 200.7 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Manganese | EPA 200.8 | Secondary Inorganic Contaminants | NELAP | 5/16/2019 |
| Mercury | EPA 245.1 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Methyl bromide (Bromomethane) | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Methyl chloride (Chloromethane) | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Methyl tert-butyl ether (MTBE) | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Methylene chloride | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Molybdenum | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Naphthalene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| n-Butylbenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| N-Ethylperfluorooctane sulfonamide (N-EtFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| N-ethylperfluoro-octane sulfonamido ethanol (EtFOSE) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Nickel | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Nickel | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Nitrate | EPA 300.0 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Nitrate | EPA 353.2 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |

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|--|--------------------------------|------------------------------------|--------------------|----------------|
| Nitrite | EPA 300.0 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Nitrite | EPA 353.2 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| N-Methylperfluoro-octane sulfonamido ethanol (MeFOSE) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| n-Propylbenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Orthophosphate as P | SM 4500-P E-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |
| Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorobutanoate (PFBA, Perfluorobutanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorodecanoate (PFDA, Perfluorodecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorodecanoate (PFDA, Perfluorodecanoic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorononanoate (PFNA, Perfluorononanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorononanoate (PFNA, Perfluorononanoic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorooctane sulfonamide (PFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorooctane sulfonate (PFOS, Perfluoro-octane Sulfonic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorooctane Sulfonic Acid (PFOS, Perfluoro-octane Sulfonate) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |

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Matrix: **Drinking Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------------|--|--------------------|----------------|
| Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid) | EPA 537.1 | Group III Unregulated Contaminants | NELAP | 7/7/2020 |
| pH | SM 4500-H+ B-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |
| p-Isopropyltoluene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Potassium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Residue-filterable (TDS) | SM 2540 C-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |
| sec-Butylbenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Selenium | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Silica as SiO ₂ | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Silver | EPA 200.7 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Silver | EPA 200.8 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Sodium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Styrene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Sulfate | EPA 300.0 | Secondary Inorganic Contaminants, Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| tert-Butylbenzene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Tetrachloroethylene (Perchloroethylene) | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Thallium | EPA 200.8 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Toluene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Total haloacetic acids (HAA5) | EPA 552.2 | Synthetic Organic Contaminants | NELAP | 3/7/2012 |
| Total nitrate-nitrite | EPA 353.2 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Total organic carbon | SM 5310 C-2011 | Primary Inorganic Contaminants | NELAP | 7/7/2020 |
| Total trihalomethanes | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| trans-1,2-Dichloroethylene | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| trans-1,3-Dichloropropene | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |

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|-------------------------------------|-------------|-----------------------------------|--------------------|----------------|
| Trichloroacetic acid | EPA 552.2 | Group I Unregulated Contaminants | NELAP | 3/7/2012 |
| Trichloroethene (Trichloroethylene) | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Trichlorofluoromethane | EPA 524.2 | Group II Unregulated Contaminants | NELAP | 3/7/2012 |
| Turbidity | EPA 180.1 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |
| Vanadium | EPA 200.7 | Primary Inorganic Contaminants | NELAP | 3/7/2012 |
| Vinyl chloride | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Xylene (total) | EPA 524.2 | Other Regulated Contaminants | NELAP | 3/7/2012 |
| Zinc | EPA 200.7 | Secondary Inorganic Contaminants | NELAP | 3/7/2012 |



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|---|-------------|----------------------|--------------------|----------------|
| 1,1,1,2-Tetrachloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,1-Trichloroethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,1-Trichloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,2,2-Tetrachloroethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,2,2-Tetrachloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,2-Trichloroethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,2-Trichloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1-Dichloroethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1-Dichloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1-Dichloroethylene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1-Dichloroethylene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1-Dichloropropene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2,3-Trichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2,3-Trichloropropane | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| 1,2,4,5-Tetrachlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,2,4-Trichlorobenzene | EPA 624 | Volatile Organics | NELAP | 7/11/2014 |
| 1,2,4-Trichlorobenzene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 1,2,4-Trichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2,4-Trichlorobenzene | EPA 8270 | Extractable Organics | NELAP | 7/3/2019 |
| 1,2,4-Trimethylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichlorobenzene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,2-Dichloroethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichloropropane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichloropropane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Diphenylhydrazine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,3,5-Trimethylbenzene | EPA 8260 | Volatile Organics | NELAP | 7/3/2019 |
| 1,3-Dichlorobenzene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 1,3-Dichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,3-Dichlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,3-Dichloropropane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,4-Dichlorobenzene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |

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Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87412-48, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------------|-----------------------------|--------------------|----------------|
| 1,4-Dichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,4-Dichlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 17a-Estradiol | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| 17a-Ethynyl Estradiol (EE2) | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| 17b-Estradiol (E2) | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| 1-Chlorohexane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluorododecane Sulfonate (10:2 Fluorotelomersulfonic acid, 10:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 2-(N-Methyl-perfluorooctane sulfonamido) acetic acid | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4',5,5',6-Octachlorobiphenyl (BZ 194) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (BZ 141) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,5'-Pentachlorobiphenyl (BZ 87) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,5,5',6-Hexachlorobiphenyl (BZ 151) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,5'-Tetrachlorobiphenyl (BZ 44) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,2',4,5,5'-Pentachlorobiphenyl (BZ 101) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,2',4,5'-Tetrachlorobiphenyl (BZ 49) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',5,5'-Tetrachlorobiphenyl (BZ 52) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,2',5-Trichlorobiphenyl (BZ 18) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2-Dichloropropane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 625 | Extractable Organics | NELAP | 5/16/2019 |

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Issue Date: 7/1/2021

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Laboratory Scope of Accreditation

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State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412

ALS Environmental, Kelso

1317 South 13th Avenue

Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------|-----------------------------|--------------------|----------------|
| 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,3,3',4',6-Pentachlorobiphenyl (BZ 110) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,3,4,4',5-Pentachlorobiphenyl (BZ 114) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,3',4,4',5-Pentachlorobiphenyl (BZ 118) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,3',4,4',5'-Pentachlorobiphenyl (BZ 123) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 2,3',4,4'-Tetrachlorobiphenyl (BZ 66) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,4,6-Tetrachlorophenol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| 2,3,4,6-Tetrachlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,3-Dichlorobiphenyl (BZ 5) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4,5-T | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4',5-Trichlorobiphenyl (BZ 31) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4,5-Trichlorophenol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4,5-Trichlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4,6-Trichlorophenol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4,6-Trichlorophenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2,4,6-Trichlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4-D | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4-DB | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4'-DDD | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4'-DDE | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4'-DDT | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4'-Dichlorobiphenyl (BZ 8) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4-Dichlorophenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2,4-Dichlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4-Dimethylphenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2,4-Dimethylphenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4-Dinitrophenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2,4-Dinitrophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4-Dinitrotoluene (2,4-DNT) | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,6-Dinitrotoluene (2,6-DNT) | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |

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Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

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State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|--|--------------------------|-----------------------------|--------------------|----------------|
| 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Chlorobiphenyl (BZ 1) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2-Chloroethyl vinyl ether | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Chloroethyl vinyl ether | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Chloronaphthalene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2-Chloronaphthalene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Chlorophenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2-Chlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Chlorotoluene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Hexanone | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Methyl-4,6-dinitrophenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2-Methyl-4,6-dinitrophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Methylnaphthalene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Methylphenol (o-Cresol) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Nitroaniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Nitrophenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 2-Nitrophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 3,3',4,4',5-Pentachlorobiphenyl (BZ 126) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 3,3',4,4'-Tetrachlorobiphenyl (BZ 77) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 3,3'-Dichlorobenzidine | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 3,3'-Dichlorobenzidine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 3,4,4',5-Tetrachlorobiphenyl (BZ 81) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 3,4,5-Trichlorocatechol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| 3,4,5-Trichloroguaiacol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| 3,4,6-Trichlorocatechol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| 3,4,6-Trichloroguaiacol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| 3-Methylphenol (m-Cresol) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 3-Nitroaniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4,4'-DDD | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDD | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDD | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 4,4'-DDE | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDE | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|-----------------------------------|--------------------------|-----------------------------|--------------------|----------------|
| 4,4'-DDE | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 4,4'-DDT | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDT | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDT | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| 4,5,6-Trichloroguaiacol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Bromophenyl phenyl ether | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 4-Bromophenyl phenyl ether | EPA 8270 | Extractable Organics | NELAP | 7/11/2014 |
| 4-Chloro-3-methylphenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 4-Chloro-3-methylphenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Chloroaniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Chlorophenyl phenylether | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 4-Chlorophenyl phenylether | EPA 8270 | Extractable Organics | NELAP | 7/11/2014 |
| 4-Chlorotoluene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 4-Methylphenol (p-Cresol) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Nitroaniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Nitrophenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| 4-Nitrophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acenaphthene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Acenaphthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acenaphthylene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Acenaphthylene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acetaminophen | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Acetone | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Acetonitrile | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Acetophenone | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acidity, as CaCO3 | SM 2310 B-2011 | General Chemistry | NELAP | 7/7/2020 |
| Acrolein (Propenal) | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Acrolein (Propenal) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Acrylonitrile | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Acrylonitrile | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Adsorbable organic halogens (AOX) | EPA 1650 | General Chemistry | NELAP | 3/7/2012 |
| Aldrin | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aldrin | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aldrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |

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Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--|-----------------------------|--------------------|----------------|
| Alkalinity as CaCO3 | SM 2320 B-2011 | General Chemistry | NELAP | 7/7/2020 |
| Allyl chloride (3-Chloropropene) | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| alpha-Chlordane | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| alpha-Chlordane | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Aluminum | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Aluminum | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Aluminum | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Aluminum | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Amenable cyanide | SM 4500-CN- G | General Chemistry | NELAP | 3/7/2012 |
| Ammonia as N | ASTM D1426-98B | General Chemistry | NELAP | 3/7/2012 |
| Ammonia as N | SM 4500-NH3 E (19th, 20th, 21st Ed.)/ISE | General Chemistry | NELAP | 3/7/2012 |
| Ammonia as N | SM 4500-NH3 G-2011 | General Chemistry | NELAP | 7/7/2020 |
| Androstenedione (4-Androstene-3,17-dione) | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Aniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Anthracene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Antimony | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Antimony | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Antimony | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Antimony | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Aroclor-1016 (PCB-1016) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1016 (PCB-1016) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1221 (PCB-1221) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1221 (PCB-1221) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1232 (PCB-1232) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1232 (PCB-1232) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1242 (PCB-1242) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1242 (PCB-1242) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1248 (PCB-1248) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1248 (PCB-1248) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1254 (PCB-1254) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1254 (PCB-1254) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1260 (PCB-1260) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87412-48, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---------------------------------------|-------------|-----------------------------|--------------------|----------------|
| Aroclor-1260 (PCB-1260) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Arsenic | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Arsenic | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Arsenic | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Arsenic | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Atrazine | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Barium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Barium | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Barium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Barium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Benzene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Benzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Benzdine | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Benzo(a)anthracene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Benzo(a)anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(a)pyrene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Benzo(a)pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(b)fluoranthene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Benzo(b)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(g,h,i)perylene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Benzo(g,h,i)perylene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(j)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(k)fluoranthene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Benzo(k)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzoic acid | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzyl alcohol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Beryllium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Beryllium | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Beryllium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Beryllium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| beta-BHC (beta-Hexachlorocyclohexane) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| bis(2-Chloroethoxy)methane | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| bis(2-Chloroethoxy)methane | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| bis(2-Chloroethyl) ether | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| bis(2-Chloroethyl) ether | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |

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E87412

ALS Environmental, Kelso

1317 South 13th Avenue

Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|------------------------|-----------------------|-----------------------------|--------------------|----------------|
| Bisphenol A | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Boron | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Boron | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Bromide | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Bromobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Bromochloromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Bromodichloromethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Bromodichloromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Bromoform | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Bromoform | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Butyl benzyl phthalate | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Butyl benzyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Butyltin trichloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Cadmium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Cadmium | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Cadmium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Cadmium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Caffeine | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Calcium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Calcium | EPA 6010 | Metals | NELAP | 5/16/2019 |
| Caprolactam | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Carbamazepine | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Carbazole | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Carbon disulfide | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Carbon tetrachloride | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Carbon tetrachloride | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Chemical oxygen demand | SM 5220 C-2011 | General Chemistry | NELAP | 7/7/2020 |
| Chlordane (tech.) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Chlordane (tech.) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Chloride | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Chloride | SM 4500-Cl- C-2011 | General Chemistry | NELAP | 7/7/2020 |
| Chlorobenzene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Chlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Chloroethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Chloroethane | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| Chloroform | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |

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Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|-----------------------------------|--------------------------|-----------------------------|--------------------|----------------|
| Chloroform | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Chloroprene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Chlorpyrifos | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Chromium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Chromium | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Chromium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Chromium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Chrysene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Chrysene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| cis-1,2-Dichloroethylene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| cis-1,3-Dichloropropene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| cis-1,3-Dichloropropene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| cis-Nonachlor | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Cobalt | EPA 200.7 | Metals | NELAP | 7/11/2014 |
| Cobalt | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Cobalt | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Cobalt | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Color | SM 2120 B-2011 | General Chemistry | NELAP | 7/7/2020 |
| Conductivity | SM 2510 B-2011 | General Chemistry | NELAP | 7/7/2020 |
| Copper | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Copper | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Copper | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Copper | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Dalapon | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Decachlorobiphenyl (BZ 209) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| DEET | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| delta-BHC | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| delta-BHC | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| delta-BHC | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Di(2-ethylhexyl) phthalate (DEHP) | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Diazepam | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Dibenz(a,h)anthracene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Dibenz(a,h)anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Dibenzofuran | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |

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Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------|-----------------------------|--------------------|----------------|
| Dibromochloromethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Dibromochloromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Dibromomethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Dibutyltin dichloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Dicamba | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Dichlorodifluoromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Dichloroprop (Dichlorprop) | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Diclofenac | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Dieldrin | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Dieldrin | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Dieldrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Diesel range organics (DRO) | EPA 8015 | Extractable Organics | NELAP | 3/7/2012 |
| Diethyl ether | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Diethyl phthalate | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Diethyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Diethylstilbestrol | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Dimethyl phthalate | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Dimethyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Di-n-butyl phthalate | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Di-n-butyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Di-n-octyl phthalate | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Di-n-octyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan I | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan I | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan I | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Endosulfan II | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan II | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan II | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Endosulfan sulfate | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan sulfate | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan sulfate | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Endrin | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|-------------------------------|-----------------------------|--------------------|----------------|
| Endrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Endrin aldehyde | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin aldehyde | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin aldehyde | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Endrin ketone | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin ketone | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Estriol (E3) | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Estrone (E1) | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Ethyl acetate | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Ethyl methacrylate | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Ethylbenzene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Ethylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Ethylene glycol | EPA 8015 | Volatile Organics | NELAP | 3/7/2012 |
| Fluoranthene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Fluorene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Fluorene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Fluoride | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Fluoride | SM 4500-F ⁻ C-2011 | General Chemistry | NELAP | 7/7/2020 |
| Fluoxetine | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| gamma-Chlordane | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| gamma-Chlordane | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Gasoline range organics (GRO) | EPA 8015 | Volatile Organics | NELAP | 3/7/2012 |
| Gemfibrozil | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Hardness | SM 2340 B-2011 | General Chemistry | NELAP | 7/7/2020 |
| Hardness (calc.) | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Heptachlor | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Heptachlor | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Heptachlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Heptachlor epoxide | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Heptachlor epoxide | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|--|--------------------------|-----------------------------|--------------------|----------------|
| Heptachlor epoxide | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Hexachlorobenzene | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Hexachlorobenzene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Hexachlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Hexachlorobutadiene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Hexachlorobutadiene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Hexachlorobutadiene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Hexachlorocyclopentadiene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Hexachlorocyclopentadiene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Hexachloroethane | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Hexachloroethane | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Hydrocodone | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Ibuprofen | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Ignitability | EPA 1020 | General Chemistry | NELAP | 3/7/2012 |
| Indeno(1,2,3-cd)pyrene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Indeno(1,2,3-cd)pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Iodomethane (Methyl iodide) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Iopromide | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Iron | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Iron | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Isodrin | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Isodrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Isophorone | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Isophorone | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Isopropylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Kjeldahl nitrogen - total | ASTM D3590-89B | General Chemistry | NELAP | 5/16/2019 |
| Lead | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Lead | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Lead | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Lead | EPA 6020 | Metals | NELAP | 3/7/2012 |
| m+p-Xylenes | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| Magnesium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Magnesium | EPA 6010 | Metals | NELAP | 5/16/2019 |
| Manganese | EPA 200.7 | Metals | NELAP | 3/7/2012 |

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Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87412-48, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|-----------------------------------|-----------------------------|--------------------|----------------|
| Manganese | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Manganese | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Manganese | EPA 6020 | Metals | NELAP | 3/7/2012 |
| MCPA | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| MCPP | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Meprobamate | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Mercury | EPA 1631 | Metals | NELAP | 3/7/2012 |
| Mercury | EPA 245.1 | Metals | NELAP | 3/7/2012 |
| Mercury | EPA 7470 | Metals | NELAP | 3/7/2012 |
| Methacrylonitrile | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Methadone | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Methanol | NCASI DI/MEOH-94.03 | Volatile Organics | NELAP | 3/7/2012 |
| Methoxychlor | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Methoxychlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Methyl bromide (Bromomethane) | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Methyl bromide (Bromomethane) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Methyl chloride (Chloromethane) | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Methyl chloride (Chloromethane) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Methyl Mercury | EPA 1630 | Metals | NELAP | 3/7/2012 |
| Methyl tert-butyl ether (MTBE) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Methylene chloride | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Methylene chloride | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Mirex | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Mirex | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Molybdenum | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Molybdenum | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Molybdenum | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Molybdenum | EPA 6020 | Metals | NELAP | 3/7/2012 |
| m-Xylene | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| Naphthalene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Naphthalene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Naphthalene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Naproxen | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| n-Butylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| N-Ethylperfluorooctane sulfonamide (N-EtFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |

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E87412

ALS Environmental, Kelso

1317 South 13th Avenue

Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------------|----------------------|--------------------|----------------|
| N-ethylperfluoro-octane sulfonamido ethanol (EtFOSE) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Nickel | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Nickel | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Nickel | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Nickel | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Nitrate as N | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Nitrate as N | EPA 353.2 | General Chemistry | NELAP | 3/7/2012 |
| Nitrate-nitrite | EPA 353.2 | General Chemistry | NELAP | 3/7/2012 |
| Nitrite as N | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Nitrite as N | EPA 353.2 | General Chemistry | NELAP | 3/7/2012 |
| Nitrobenzene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Nitrobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| N-Methylperfluoro-octane sulfonamido ethanol (MeFOSE) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| n-Nitrosodimethylamine | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| n-Nitrosodimethylamine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| n-Nitrosodi-n-propylamine | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| n-Nitrosodi-n-propylamine | EPA 8270 | Extractable Organics | NELAP | 7/11/2014 |
| n-Nitrosodiphenylamine | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| n-Nitrosodiphenylamine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| n-Propylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Oil & Grease | EPA 1664A | General Chemistry | NELAP | 3/7/2012 |
| Orthophosphate as P | EPA 365.3 | General Chemistry | NELAP | 3/7/2012 |
| Oxybenzone | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Oxygen, dissolved | SM 4500-O G-2011 | General Chemistry | NELAP | 7/7/2020 |
| o-Xylene | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| Pentachlorophenol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| Pentachlorophenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Pentachlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Pentoxifylline | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorobutanoate (PFBA, Perfluorobutanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |

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EPA Lab Code: **WA01276**

(360) 577-7222

E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|--|--------------------------------|----------------------|--------------------|----------------|
| Perfluorodecanoate (PFDA, Perfluorodecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorononanoate (PFNA, Perfluorononanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorooctane sulfonamide (PFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorooctane Sulfonic Acid (PFOS, Perfluoro-octane Sulfonate) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| pH | EPA 9040 | General Chemistry | NELAP | 5/16/2019 |
| pH | SM 4500-H+ B-2011 | General Chemistry | NELAP | 7/7/2020 |
| Phenanthrene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Phenanthrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Phenol | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Phenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Phosphorus, total | EPA 365.3 | General Chemistry | NELAP | 3/7/2012 |
| p-Isopropyltoluene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Potassium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Potassium | EPA 6010 | Metals | NELAP | 5/16/2019 |
| Progesterone | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Pyrene | EPA 625 | Extractable Organics | NELAP | 7/3/2019 |
| Pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Pyridine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Residual free chlorine | EPA 330.4 | General Chemistry | NELAP | 3/7/2012 |
| Residue-filterable (TDS) | SM 2540 C-2011 | General Chemistry | NELAP | 7/7/2020 |

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EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|---------------------------------|-----------------------------|--------------------|----------------|
| Residue-nonfilterable (TSS) | SM 2540 D-2011 | General Chemistry | NELAP | 7/7/2020 |
| Residue-settleable | SM 2540 F-2011 | General Chemistry | NELAP | 7/7/2020 |
| Residue-total | SM 2540 B-2011 | General Chemistry | NELAP | 7/7/2020 |
| Residue-volatile | EPA 160.4 | General Chemistry | NELAP | 3/7/2012 |
| Salicylic acid | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| sec-Butylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Selenium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Selenium | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Selenium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Selenium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Silica as SiO2 | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Silver | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Silver | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Silver | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Silver | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Silvex (2,4,5-TP) | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Sodium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Sodium | EPA 6010 | Metals | NELAP | 5/16/2019 |
| Strontium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Styrene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Sulfamethoxazole | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Sulfate | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Sulfide | SM 4500-S2 ⁻ F-2011 | General Chemistry | NELAP | 7/7/2020 |
| Sulfide | SM 4500-S2 = D-2011 | General Chemistry | NELAP | 7/7/2020 |
| Sulfite-SO3 | SM 4500-SO3 ⁻ B-2011 | General Chemistry | NELAP | 7/7/2020 |
| Surfactants - MBAS | SM 5540 C-2011 | General Chemistry | NELAP | 7/7/2020 |
| Tannin & Lignin | SM 5550 B | General Chemistry | NELAP | 3/7/2012 |
| tert-Butylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Testosterone | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Tetrabutyltin | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Tetrachlorocatechol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| Tetrachloroethylene (Perchloroethylene) | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Tetrachloroethylene (Perchloroethylene) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Tetrachloroguaiacol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| Thallium | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Thallium | EPA 6010 | Metals | NELAP | 3/7/2012 |

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E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|-------------------------------------|--------------------------------|-----------------------------|--------------------|----------------|
| Thallium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Tin | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Tin | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Titanium | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Titanium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Toluene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Toluene | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| Total cyanide | EPA 335.4 | General Chemistry | NELAP | 3/7/2012 |
| Total cyanide | EPA 9012 | General Chemistry | NELAP | 3/7/2012 |
| Total cyanide | SM 4500-CN ⁻ E-2011 | General Chemistry | NELAP | 7/7/2020 |
| Total nitrate-nitrite | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Total organic carbon | EPA 9060 | General Chemistry | NELAP | 5/16/2019 |
| Total organic carbon | SM 5310 C-2011 | General Chemistry | NELAP | 7/7/2020 |
| Total organic halides (TOX) | EPA 9020 | General Chemistry | NELAP | 3/7/2012 |
| Total phenolics | EPA 420.1 | General Chemistry | NELAP | 3/7/2012 |
| Total residual chlorine | SM 4500-Cl F | General Chemistry | NELAP | 3/7/2012 |
| Toxaphene (Chlorinated camphene) | EPA 608 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Toxaphene (Chlorinated camphene) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| trans-1,2-Dichloroethylene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| trans-1,2-Dichloroethylene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| trans-1,3-Dichloropropene | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| trans-1,3-Dichloropropene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| trans-1,4-Dichloro-2-butene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| trans-Nonachlor | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| trans-Nonachlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Tributyltin chloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Trichloroethene (Trichloroethylene) | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Trichloroethene (Trichloroethylene) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Trichlorofluoromethane | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Trichlorofluoromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Trichlorosyringol | EPA 1653 | Extractable Organics | NELAP | 3/7/2012 |
| Triclosan | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Trimethoprim | EPA 1694 | Extractable Organics | NELAP | 3/7/2012 |
| Turbidity | EPA 180.1 | General Chemistry | NELAP | 3/7/2012 |
| Uranium (mass) | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Vanadium | EPA 200.7 | Metals | NELAP | 3/7/2012 |

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E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Non-Potable Water**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|----------------|-------------|-------------------|--------------------|----------------|
| Vanadium | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Vanadium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Vanadium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Vinyl acetate | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Vinyl chloride | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Vinyl chloride | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Xylene (total) | EPA 624 | Volatile Organics | NELAP | 3/7/2012 |
| Xylene (total) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Zinc | EPA 200.7 | Metals | NELAP | 3/7/2012 |
| Zinc | EPA 200.8 | Metals | NELAP | 3/7/2012 |
| Zinc | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Zinc | EPA 6020 | Metals | NELAP | 3/7/2012 |



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E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------------|-----------------------------|--------------------|----------------|
| 1,1,1,2-Tetrachloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,1-Trichloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,2,2-Tetrachloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1,2-Trichloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1-Dichloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1-Dichloroethylene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,1-Dichloropropene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2,3-Trichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2,3-Trichloropropane | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| 1,2,4-Trichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2,4-Trichlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,2,4-Trimethylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,2-Dichloroethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Dichloropropane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,2-Diphenylhydrazine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,3,5-Trimethylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,3-Dichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,3-Dichlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,3-Dichloropropane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,4-Dichlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1,4-Dichlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1-Chlorohexane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluorododecane Sulfonate (10:2 Fluorotelomersulfonic acid, 10:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ 194) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87412-48, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------|-----------------------------|--------------------|----------------|
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (BZ 187) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (BZ 141) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,5'-Pentachlorobiphenyl (BZ 87) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,5,5',6-Hexachlorobiphenyl (BZ 151) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,5'-Tetrachlorobiphenyl (BZ 44) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',4,5,5'-Pentachlorobiphenyl (BZ 101) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',4,5'-Tetrachlorobiphenyl (BZ 49) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',5,5'-Tetrachlorobiphenyl (BZ 52) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',5-Trichlorobiphenyl (BZ 18) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2-Dichloropropane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,3',4',6-Pentachlorobiphenyl (BZ 110) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,4,4',5-Pentachlorobiphenyl (BZ 114) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4',5-Pentachlorobiphenyl (BZ 118) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4',5'-Pentachlorobiphenyl (BZ 123) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4'-Tetrachlorobiphenyl (BZ 66) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,4,6-Tetrachlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,3-Dichlorobiphenyl (BZ 5) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4,5-T | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4',5-Trichlorobiphenyl (BZ 31) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4,5-Trichlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4,6-Trichlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4-D | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4-DB | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4'-DDD | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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Laboratory Scope of Accreditation

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EPA Lab Code: **WA01276**

(360) 577-7222

E87412

ALS Environmental, Kelso

1317 South 13th Avenue

Kelso, WA 98626

Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|--|--------------------------|-----------------------------|--------------------|----------------|
| 2,4'-DDE | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4'-DDT | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4'-Dichlorobiphenyl (BZ 8) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4-Dichlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4-Dimethylphenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4-Dinitrophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Chlorobiphenyl (BZ 1) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2-Chloroethyl vinyl ether | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Chloronaphthalene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Chlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Chlorotoluene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Hexanone | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 2-Methyl-4,6-dinitrophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Methylnaphthalene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Methylphenol (o-Cresol) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Nitroaniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Nitrophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 2-Nitropropane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 3,3',4,4',5-Pentachlorobiphenyl (BZ 126) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 3,3',4,4'-Tetrachlorobiphenyl (BZ 77) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 3,3'-Dichlorobenzidine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 3,4,4',5-Tetrachlorobiphenyl (BZ 81) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 3-Methylphenol (m-Cresol) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 3-Nitroaniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4,4'-DDD | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDD | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDE | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDE | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDT | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDT | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

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EPA Lab Code: **WA01276**

(360) 577-7222

E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------|-----------------------------|--------------------|----------------|
| 4,4'-Methylenebis(2-chloroaniline) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Bromophenyl phenyl ether | EPA 8270 | Extractable Organics | NELAP | 7/11/2014 |
| 4-Chloro-3-methylphenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Chloroaniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Chlorophenyl phenylether | EPA 8270 | Extractable Organics | NELAP | 7/11/2014 |
| 4-Chlorotoluene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| 4-Methylphenol (p-Cresol) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Nitroaniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 4-Nitrophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acenaphthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acenaphthylene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acetone | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Acetonitrile | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Acetophenone | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acrolein (Propenal) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Acrylonitrile | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Alachlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aldrin | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aldrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Allyl chloride (3-Chloropropene) | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| alpha-Chlordane | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| alpha-Chlordane | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aluminum | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Aluminum | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Amenable cyanide | EPA 9012 | General Chemistry | NELAP | 3/7/2012 |
| Ammonia as N | EPA 350.1 | General Chemistry | NELAP | 3/7/2012 |
| Aniline | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Antimony | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Antimony | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Aroclor-1016 (PCB-1016) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1221 (PCB-1221) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1232 (PCB-1232) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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E87412
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Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---------------------------------------|-----------------------|-----------------------------|--------------------|----------------|
| Aroclor-1242 (PCB-1242) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1248 (PCB-1248) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1254 (PCB-1254) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1260 (PCB-1260) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Arsenic | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Arsenic | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Barium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Barium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Benzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Benzo(a)anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(a)pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(b)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(g,h,i)perylene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(j)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(k)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzoic acid | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzyl alcohol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Beryllium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Beryllium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| bis(2-Chloroethoxy)methane | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| bis(2-Chloroethyl) ether | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Boron | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Bromobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Bromochloromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Bromodichloromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Bromoform | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Butyl benzyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Butyltin trichloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Cadmium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Cadmium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Calcium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Caprolactam | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Carbazole | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Carbon disulfide | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Carbon tetrachloride | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |

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Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|-----------------------------------|--------------------------|-----------------------------|--------------------|----------------|
| Chlordane (tech.) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Chloride | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Chloride | EPA 9056 | General Chemistry | NELAP | 3/7/2012 |
| Chlorobenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Chloroethane | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| Chloroform | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Chloroprene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Chlorpyrifos | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Chromium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Chromium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Chrysene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| cis-1,2-Dichloroethylene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| cis-1,3-Dichloropropene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| cis-Nonachlor | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Cobalt | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Cobalt | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Copper | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Copper | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Corrosivity toward steel | EPA 1110 | General Chemistry | NELAP | 3/7/2012 |
| Dalapon | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Decachlorobiphenyl (BZ 209) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| delta-BHC | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| delta-BHC | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Dibenz(a,h)anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Dibenzofuran | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Dibromochloromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Dibromomethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Dibutyltin dichloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Dicamba | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Dichlorodifluoromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Dichloroprop (Dichloroprop) | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Dieldrin | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Dieldrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |

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|---|--------------------------|-----------------------------|--------------------|----------------|
| Diesel range organics (DRO) | EPA 8015 | Extractable Organics | NELAP | 3/7/2012 |
| Diethyl ether | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Diethyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Dimethyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Di-n-butyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Di-n-octyl phthalate | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan I | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan I | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan II | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 5/16/2019 |
| Endosulfan II | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan sulfate | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan sulfate | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin aldehyde | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin aldehyde | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin ketone | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin ketone | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Ethyl acetate | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Ethyl methacrylate | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Ethylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Ethylene glycol | EPA 8015 | Volatile Organics | NELAP | 3/7/2012 |
| Extractable Cyanide | EPA 9010/9013 | General Chemistry | NELAP | 3/7/2012 |
| Fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Fluorene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Fluoride | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Fluoride | EPA 9056 | General Chemistry | NELAP | 3/7/2012 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| gamma-Chlordane | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| gamma-Chlordane | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Gasoline range organics (GRO) | EPA 8015 | Extractable Organics | NELAP | 3/7/2012 |

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

Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87412-48, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|--|-----------------------------------|-----------------------------|--------------------|----------------|
| Heptachlor | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Heptachlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Heptachlor epoxide | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Heptachlor epoxide | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Hexachlorobenzene | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Hexachlorobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Hexachlorobutadiene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Hexachlorobutadiene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Hexachlorocyclopentadiene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Hexachloroethane | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Ignitability | EPA 1020 | General Chemistry | NELAP | 3/7/2012 |
| Indeno(1,2,3-cd)pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Iodomethane (Methyl iodide) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Iron | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Isodrin | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Isodrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Isophorone | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Isopropylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Lead | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Lead | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Magnesium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Manganese | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Manganese | EPA 6020 | Metals | NELAP | 3/7/2012 |
| MCPA | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| MCPP | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Mercury | EPA 1631 | Metals | NELAP | 3/7/2012 |
| Mercury | EPA 7471 | Metals | NELAP | 3/7/2012 |
| Methacrylonitrile | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Methoxychlor | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Methoxychlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Methyl bromide (Bromomethane) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Methyl chloride (Chloromethane) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |

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EPA Lab Code: **WA01276**

(360) 577-7222

E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|-----------------------------------|-----------------------------|--------------------|----------------|
| Methyl Mercury | EPA 1630 | Metals | NELAP | 3/7/2012 |
| Methyl tert-butyl ether (MTBE) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Methylene chloride | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Mirex | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Mirex | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Molybdenum | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Molybdenum | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Naphthalene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Naphthalene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| n-Butylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| N-Ethylperfluorooctane sulfonamide (N-EtFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| N-ethylperfluoro-octane sulfonamido ethanol (EtFOSE) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Nickel | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Nickel | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Nitrate | EPA 9056 | General Chemistry | NELAP | 3/7/2012 |
| Nitrate as N | EPA 353.2 | General Chemistry | NELAP | 3/7/2012 |
| Nitrite as N | EPA 353.2 | General Chemistry | NELAP | 3/7/2012 |
| Nitrobenzene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| N-Methylperfluorooctane sulfonamide (MeFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| N-Methylperfluoro-octane sulfonamido ethanol (MeFOSE) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| n-Nitrosodimethylamine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| n-Nitrosodi-n-propylamine | EPA 8270 | Extractable Organics | NELAP | 7/11/2014 |
| n-Nitrosodiphenylamine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| n-Propylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Oil & Grease | EPA 1664A | General Chemistry | NELAP | 3/7/2012 |
| Oil & Grease | EPA 9071 | General Chemistry | NELAP | 3/7/2012 |
| Orthophosphate as P | EPA 365.3 | General Chemistry | NELAP | 3/7/2012 |
| Pentachlorophenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorobutanoate (PFBA, Perfluorobutanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorodecanoate (PFDA, Perfluorodecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |

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Laboratory Scope of Accreditation

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EPA Lab Code: **WA01276**

(360) 577-7222

E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|--|--------------------------------|-----------------------------|--------------------|----------------|
| Perfluorododecanoate (PFDoA, Pefluorododecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorononanoate (PFNA, Perfluorononanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorooctane sulfonamide (PFOSA) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorooctane Sulfonic Acid (PFOS, Perfluoro-octane Sulfonate) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid) | ALS Kelso LCP-PFC / HPLC-MS-MS | Extractable Organics | NELAP | 7/7/2020 |
| Phenanthrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Phenol | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Phosphorus, total | EPA 365.3 | General Chemistry | NELAP | 3/7/2012 |
| p-Isopropyltoluene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Potassium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Pyridine | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Residue-total | EPA 160.3 | General Chemistry | NELAP | 3/7/2012 |
| sec-Butylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Selenium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Selenium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Silver | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Silver | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Silvex (2,4,5-TP) | EPA 8151 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Sodium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Strontium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Strontium | EPA 6020 | Metals | NELAP | 3/7/2012 |

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Issue Date: 7/1/2021

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Laboratory Scope of Accreditation

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State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412

**ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626**

Matrix: **Solid and Chemical Materials**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|--------------------------|-----------------------------|--------------------|----------------|
| Styrene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Sulfate | EPA 300.0 | General Chemistry | NELAP | 3/7/2012 |
| Sulfate | EPA 9056 | General Chemistry | NELAP | 3/7/2012 |
| Sulfide | EPA 9030/9034 | General Chemistry | NELAP | 3/7/2012 |
| Synthetic Precipitation Leaching Procedure (SPLP) | EPA 1312 | General Chemistry | NELAP | 3/7/2012 |
| tert-Butylbenzene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Tetrabutyltin | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Tetrachloroethylene (Perchloroethylene) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Thallium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Thallium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Tin | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Titanium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Toluene | EPA 8260 | Volatile Organics | NELAP | 7/11/2014 |
| Total cyanide | EPA 9012 | General Chemistry | NELAP | 3/7/2012 |
| Total nitrate-nitrite | EPA 353.2 | General Chemistry | NELAP | 3/7/2012 |
| Total organic carbon | ASTM D4129-05 | General Chemistry | NELAP | 3/7/2012 |
| Toxaphene (Chlorinated camphene) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Toxicity Characteristic Leaching Procedure (TCLP) | EPA 1311 | General Chemistry | NELAP | 3/7/2012 |
| trans-1,2-Dichloroethylene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| trans-1,3-Dichloropropene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| trans-1,4-Dichloro-2-butene | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| trans-Nonachlor | CASW PestMS2/GC-MS-MS | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| trans-Nonachlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Tributyltin chloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Trichloroethene (Trichloroethylene) | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Trichlorofluoromethane | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Vanadium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Vanadium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Vinyl acetate | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Vinyl chloride | EPA 8260 | Volatile Organics | NELAP | 3/7/2012 |
| Xylene (total) | EPA 8260 | Volatile Organics | NELAP | 5/16/2019 |
| Zinc | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Zinc | EPA 6020 | Metals | NELAP | 3/7/2012 |

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Laboratory Scope of Accreditation

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E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Biological Tissue**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|-------------|-----------------------------|--------------------|----------------|
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ 194) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ 183) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (BZ 141) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,4,5'-Pentachlorobiphenyl (BZ 87) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,5,5',6-Hexachlorobiphenyl (BZ 151) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',3,5'-Tetrachlorobiphenyl (BZ 44) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',4,5,5'-Pentachlorobiphenyl (BZ 101) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',4,5'-Tetrachlorobiphenyl (BZ 49) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',5,5'-Tetrachlorobiphenyl (BZ 52) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,2',5-Trichlorobiphenyl (BZ 18) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,3',4,6-Pentachlorobiphenyl (BZ 110) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3,4,4',5-Pentachlorobiphenyl (BZ 114) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4',5-Pentachlorobiphenyl (BZ 118) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4',5'-Pentachlorobiphenyl (BZ 123) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3',4,4'-Tetrachlorobiphenyl (BZ 66) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,3-Dichlorobiphenyl (BZ 5) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2,4',5-Trichlorobiphenyl (BZ 31) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2-Chlorobiphenyl (BZ 1) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 2-Methylnaphthalene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| 3,4,4',5-Tetrachlorobiphenyl (BZ 81) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDD | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDE | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| 4,4'-DDT | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Acenaphthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Acenaphthylene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |

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E87412
ALS Environmental, Kelso
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Matrix: **Biological Tissue**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|---|-----------------------|-----------------------------|--------------------|----------------|
| Alachlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aldrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| alpha-Chlordane | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aluminum | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Aluminum | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Antimony | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Antimony | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Aroclor-1016 (PCB-1016) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1221 (PCB-1221) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1232 (PCB-1232) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1242 (PCB-1242) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1248 (PCB-1248) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1254 (PCB-1254) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Aroclor-1260 (PCB-1260) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Arsenic | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Arsenic | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Barium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Barium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Benzo(a)anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(a)pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(b)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(g,h,i)perylene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(j)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Benzo(k)fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Beryllium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Beryllium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Boron | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Butyltin trichloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Cadmium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Cadmium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Chlordane (tech.) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Chromium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Chromium | EPA 6020 | Metals | NELAP | 3/7/2012 |

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

Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87412-48, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Biological Tissue**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|--|-----------------------|-----------------------------|--------------------|----------------|
| Chromium VI | EPA 7196 | Metals | NELAP | 3/7/2012 |
| Chrysene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Cobalt | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Cobalt | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Copper | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Copper | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Decachlorobiphenyl (BZ 209) | EPA 8082 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| delta-BHC | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Dibenz(a,h)anthracene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Dibenzofuran | EPA 8270 | Extractable Organics | NELAP | 7/11/2014 |
| Dibutyltin dichloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Dieldrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan I | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan II | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endosulfan sulfate | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin aldehyde | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Endrin ketone | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Fluoranthene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Fluorene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| gamma-Chlordane | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Heptachlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Heptachlor epoxide | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Indeno(1,2,3-cd)pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Iron | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Isodrin | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Lead | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Lead | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Manganese | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Manganese | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Mercury | EPA 1631 | Metals | NELAP | 3/7/2012 |
| Mercury | EPA 7471 | Metals | NELAP | 3/7/2012 |
| Methoxychlor | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Mirex | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Molybdenum | EPA 6010 | Metals | NELAP | 3/7/2012 |

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Laboratory Scope of Accreditation

Attachment to Certificate #: E87412-48, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87412**

EPA Lab Code: **WA01276**

(360) 577-7222

E87412
ALS Environmental, Kelso
1317 South 13th Avenue
Kelso, WA 98626

Matrix: **Biological Tissue**

| Analyte | Method/Tech | Category | Certification Type | Effective Date |
|----------------------------------|-----------------------|-----------------------------|--------------------|----------------|
| Molybdenum | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Naphthalene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Nickel | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Nickel | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Phenanthrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Pyrene | EPA 8270 | Extractable Organics | NELAP | 3/7/2012 |
| Selenium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Selenium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Silver | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Silver | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Tetrabutyltin | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Thallium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Tin | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Toxaphene (Chlorinated camphene) | EPA 8081 | Pesticides-Herbicides-PCB's | NELAP | 3/7/2012 |
| Tributyltin chloride | CASW SOC-Butyl/GC-FPD | Extractable Organics | NELAP | 3/7/2012 |
| Vanadium | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Vanadium | EPA 6020 | Metals | NELAP | 3/7/2012 |
| Zinc | EPA 6010 | Metals | NELAP | 3/7/2012 |
| Zinc | EPA 6020 | Metals | NELAP | 3/7/2012 |