

The State of
Department



Washington
of Ecology

ALS Environmental - Everett
Everett, WA

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective January 4, 2020 and shall expire January 3, 2021.

Witnessed under my hand on January 7, 2020

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C601

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

ALS Environmental - Everett

Everett, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Non-Potable Water		
n-Hexane Extractable Material (O&G)	EPA 1664A_1_1999	
Turbidity	EPA 180.1_2_1993	
Bromide	EPA 300.0_2.1_1993	
Chloride	EPA 300.0_2.1_1993	
Fluoride	EPA 300.0_2.1_1993	
Nitrate	EPA 300.0_2.1_1993	
Nitrate + Nitrite	EPA 300.0_2.1_1993	
Nitrite	EPA 300.0_2.1_1993	
Orthophosphate	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	
Specific Conductance	SM 2510 B-2011	
Solids, Total	SM 2540 B-2011	
Solids, Total Dissolved	SM 2540 C-2011	
Solids, Total Suspended	SM 2540 D-2011	1
Cyanide, Total	SM 4500-CN ⁻ E-2011	
Dissolved Oxygen	SM 4500-O G-2011	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2011	
Aluminum	EPA 200.8_5.4_1994	
Antimony	EPA 200.8_5.4_1994	
Arsenic	EPA 200.8_5.4_1994	
Barium	EPA 200.8_5.4_1994	
Beryllium	EPA 200.8_5.4_1994	

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Matrix/Analyte	Method	Notes
Cadmium	EPA 200.8_5.4_1994	
Calcium	EPA 200.8_5.4_1994	
Chromium	EPA 200.8_5.4_1994	
Cobalt	EPA 200.8_5.4_1994	
Copper	EPA 200.8_5.4_1994	
Iron	EPA 200.8_5.4_1994	
Lead	EPA 200.8_5.4_1994	
Magnesium	EPA 200.8_5.4_1994	
Manganese	EPA 200.8_5.4_1994	
Molybdenum	EPA 200.8_5.4_1994	
Nickel	EPA 200.8_5.4_1994	
Potassium	EPA 200.8_5.4_1994	
Selenium	EPA 200.8_5.4_1994	
Silver	EPA 200.8_5.4_1994	
Sodium	EPA 200.8_5.4_1994	
Thallium	EPA 200.8_5.4_1994	
Titanium	EPA 200.8_5.4_1994	
Vanadium	EPA 200.8_5.4_1994	
Zinc	EPA 200.8_5.4_1994	
Mercury	EPA 245.1_3_1994	1
Solid and Chemical Materials		
Chromium, Hexavalent	EPA 7196A_1_1992	
Cyanide, Total	EPA 9014_1996	
pH	EPA 9045D_2002	
Aluminum	EPA 6020B_(7/14)	2
Antimony	EPA 6020B_(7/14)	2
Arsenic	EPA 6020B_(7/14)	2
Barium	EPA 6020B_(7/14)	2
Beryllium	EPA 6020B_(7/14)	2
Cadmium	EPA 6020B_(7/14)	2
Calcium	EPA 6020B_(7/14)	2
Chromium	EPA 6020B_(7/14)	2
Cobalt	EPA 6020B_(7/14)	2
Copper	EPA 6020B_(7/14)	2
Iron	EPA 6020B_(7/14)	2
Lead	EPA 6020B_(7/14)	2

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Matrix/Analyte	Method	Notes
Magnesium	EPA 6020B_(7/14)	2
Manganese	EPA 6020B_(7/14)	2
Molybdenum	EPA 6020B_(7/14)	2
Nickel	EPA 6020B_(7/14)	2
Potassium	EPA 6020B_(7/14)	2
Selenium	EPA 6020B_(7/14)	2
Silver	EPA 6020B_(7/14)	2
Sodium	EPA 6020B_(7/14)	2
Thallium	EPA 6020B_(7/14)	2
Titanium	EPA 6020B_(7/14)	2
Zinc	EPA 6020B_(7/14)	2
Mercury	EPA 7471B_(1/98)	2
Benzene	EPA 8021B_2_(12/96)	
Ethylbenzene	EPA 8021B_2_(12/96)	
Toluene	EPA 8021B_2_(12/96)	
Xylene (total)	EPA 8021B_2_(12/96)	
4,4'-DDD	EPA 8081B_(2/07)	
4,4'-DDE	EPA 8081B_(2/07)	
4,4'-DDT	EPA 8081B_(2/07)	
Aldrin	EPA 8081B_(2/07)	
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
alpha-Chlordane	EPA 8081B_(2/07)	
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
delta-BHC	EPA 8081B_(2/07)	
Dieldrin	EPA 8081B_(2/07)	
Endosulfan I	EPA 8081B_(2/07)	
Endosulfan II	EPA 8081B_(2/07)	
Endosulfan sulfate	EPA 8081B_(2/07)	
Endrin	EPA 8081B_(2/07)	
Endrin aldehyde	EPA 8081B_(2/07)	
Endrin ketone	EPA 8081B_(2/07)	
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
Heptachlor	EPA 8081B_(2/07)	
Heptachlor epoxide	EPA 8081B_(2/07)	
Methoxychlor	EPA 8081B_(2/07)	
Aroclor-1016 (PCB-1016)	EPA 8082A_(2/07)	

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Matrix/Analyte	Method	Notes
Aroclor-1221 (PCB-1221)	EPA 8082A_(2/07)	
Aroclor-1232 (PCB-1232)	EPA 8082A_(2/07)	
Aroclor-1242 (PCB-1242)	EPA 8082A_(2/07)	
Aroclor-1248 (PCB-1248)	EPA 8082A_(2/07)	
Aroclor-1254 (PCB-1254)	EPA 8082A_(2/07)	
Aroclor-1260 (PCB-1260)	EPA 8082A_(2/07)	
>C10-C12 Aliphatic EPH	WDOE EPH_(1997)	
>C10-C12 Aromatic EPH	WDOE EPH_(1997)	
>C12-C16 Aliphatic EPH	WDOE EPH_(1997)	
>C12-C16 Aromatic EPH	WDOE EPH_(1997)	
>C16-C21 Aliphatic EPH	WDOE EPH_(1997)	
>C16-C21 Aromatic EPH	WDOE EPH_(1997)	
>C21-C34 Aliphatic EPH	WDOE EPH_(1997)	
>C21-C34 Aromatic EPH	WDOE EPH_(1997)	
C8-C10 Aliphatic EPH	WDOE EPH_(1997)	
C8-C10 Aromatic EPH	WDOE EPH_(1997)	
Diesel range organics (DRO)	WDOE NWTPH-Dx_(1997)	
Gasoline range organics (GRO)	WDOE NWTPH-Gx_(1997)	
>C10-C12 Aliphatic VPH	WDOE VPH_(1997)	
>C10-C12 Aromatic VPH	WDOE VPH_(1997)	
>C12-C13 Aromatic VPH	WDOE VPH_(1997)	
>C6-C8 Aliphatic VPH	WDOE VPH_(1997)	
>C8-C10 Aliphatic VPH	WDOE VPH_(1997)	
C5-C6 Aliphatic VPH	WDOE VPH_(1997)	
C8-C10 Aromatic VPH	WDOE VPH_(1997)	
1,1,1,2-Tetrachloroethane	EPA 8260D_4_(6/18)	3
1,1,1-Trichloroethane	EPA 8260D_4_(6/18)	3
1,1,2,2-Tetrachloroethane	EPA 8260D_4_(6/18)	3
1,1,2-Trichloroethane	EPA 8260D_4_(6/18)	3
1,1-Dichloroethane	EPA 8260D_4_(6/18)	3
1,1-Dichloroethylene	EPA 8260D_4_(6/18)	3
1,1-Dichloropropene	EPA 8260D_4_(6/18)	3
1,2,3-Trichlorobenzene	EPA 8260D_4_(6/18)	3
1,2,3-Trichloropropane	EPA 8260D_4_(6/18)	3
1,2,4-Trichlorobenzene	EPA 8260D_4_(6/18)	3

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1,2,4-Trimethylbenzene	EPA 8260D_4_(6/18)	3
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D_4_(6/18)	3
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D_4_(6/18)	3
1,2-Dichlorobenzene	EPA 8260D_4_(6/18)	3
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D_4_(6/18)	3
1,2-Dichloropropane	EPA 8260D_4_(6/18)	3
1,3,5-Trimethylbenzene	EPA 8260D_4_(6/18)	3
1,3-Dichlorobenzene	EPA 8260D_4_(6/18)	3
1,3-Dichloropropane	EPA 8260D_4_(6/18)	3
1,4-Dichlorobenzene	EPA 8260D_4_(6/18)	3
1,4-Difluorobenzene	EPA 8260D_4_(6/18)	3
2,2-Dichloropropane	EPA 8260D_4_(6/18)	3
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D_4_(6/18)	3
2-Chlorotoluene	EPA 8260D_4_(6/18)	3
2-Hexanone	EPA 8260D_4_(6/18)	3
4-Bromofluorobenzene	EPA 8260D_4_(6/18)	3
4-Chlorotoluene	EPA 8260D_4_(6/18)	3
4-Isopropyltoluene (p-Cymene)	EPA 8260D_4_(6/18)	3
4-Methyl-2-pentanone (MIBK)	EPA 8260D_4_(6/18)	3
Acetone	EPA 8260D_4_(6/18)	3
Benzene	EPA 8260D_4_(6/18)	3
Bromobenzene	EPA 8260D_4_(6/18)	3
Bromochloromethane	EPA 8260D_4_(6/18)	3
Bromodichloromethane	EPA 8260D_4_(6/18)	3
Bromoform	EPA 8260D_4_(6/18)	3
Carbon disulfide	EPA 8260D_4_(6/18)	3
Carbon tetrachloride	EPA 8260D_4_(6/18)	3
Chlorobenzene	EPA 8260D_4_(6/18)	3
Chlorodibromomethane	EPA 8260D_4_(6/18)	3
Chloroethane (Ethyl chloride)	EPA 8260D_4_(6/18)	3
Chloroform	EPA 8260D_4_(6/18)	3
cis-1,2-Dichloroethylene	EPA 8260D_4_(6/18)	3
cis-1,3-Dichloropropene	EPA 8260D_4_(6/18)	3
Dibromofluoromethane	EPA 8260D_4_(6/18)	3
Dibromomethane	EPA 8260D_4_(6/18)	3
Dichlorodifluoromethane (Freon-12)	EPA 8260D_4_(6/18)	3

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Matrix/Analyte	Method	Notes
Ethanol	EPA 8260D_4_(6/18)	3
Ethylbenzene	EPA 8260D_4_(6/18)	3
Ethyl-t-butylether (ETBE)	EPA 8260D_4_(6/18)	3
Hexachlorobutadiene	EPA 8260D_4_(6/18)	3
Isopropylbenzene	EPA 8260D_4_(6/18)	3
m+p-xylene	EPA 8260D_4_(6/18)	3
Methyl bromide (Bromomethane)	EPA 8260D_4_(6/18)	3
Methyl chloride (Chloromethane)	EPA 8260D_4_(6/18)	3
Methyl tert-butyl ether (MTBE)	EPA 8260D_4_(6/18)	3
Methylene chloride (Dichloromethane)	EPA 8260D_4_(6/18)	3
Naphthalene	EPA 8260D_4_(6/18)	3
n-Butylbenzene	EPA 8260D_4_(6/18)	3
n-Propylbenzene	EPA 8260D_4_(6/18)	3
o-Xylene	EPA 8260D_4_(6/18)	3
Pentafluorobenzene	EPA 8260D_4_(6/18)	3
sec-Butylbenzene	EPA 8260D_4_(6/18)	3
Styrene	EPA 8260D_4_(6/18)	3
tert-amylmethylether (TAME)	EPA 8260D_4_(6/18)	3
tert-Butyl alcohol	EPA 8260D_4_(6/18)	3
tert-Butylbenzene	EPA 8260D_4_(6/18)	3
Tetrachloroethylene (Perchloroethylene)	EPA 8260D_4_(6/18)	3
Toluene	EPA 8260D_4_(6/18)	3
trans-1,2-Dichloroethylene	EPA 8260D_4_(6/18)	3
trans-1,3-Dichloropropylene	EPA 8260D_4_(6/18)	3
Trichloroethene (Trichloroethylene)	EPA 8260D_4_(6/18)	3
Trichlorofluoromethane (Freon 11)	EPA 8260D_4_(6/18)	3
Vinyl chloride	EPA 8260D_4_(6/18)	3
1,2,4-Trichlorobenzene	EPA 8270E_6_(6/18)	3
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8270E_6_(6/18)	3
1,2-Dichlorobenzene	EPA 8270E_6_(6/18)	3
1,3-Dichlorobenzene	EPA 8270E_6_(6/18)	3
1,4-Dichlorobenzene	EPA 8270E_6_(6/18)	3
2,3,4,6-Tetrachlorophenol	EPA 8270E_6_(6/18)	3
2,4,5-Trichlorophenol	EPA 8270E_6_(6/18)	3
2,4,6-Trichlorophenol	EPA 8270E_6_(6/18)	3
2,4-Dichlorophenol	EPA 8270E_6_(6/18)	3

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Matrix/Analyte	Method	Notes
2,4-Dimethylphenol	EPA 8270E_6_(6/18)	3
2,4-Dinitrophenol	EPA 8270E_6_(6/18)	3
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E_6_(6/18)	3
2,6-Dichlorophenol	EPA 8270E_6_(6/18)	3
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E_6_(6/18)	3
2-Chloronaphthalene	EPA 8270E_6_(6/18)	3
2-Chlorophenol	EPA 8270E_6_(6/18)	3
2-Methylnaphthalene	EPA 8270E_6_(6/18)	3
2-Methylphenol (o-Cresol)	EPA 8270E_6_(6/18)	3
2-Nitroaniline	EPA 8270E_6_(6/18)	3
2-Nitrophenol	EPA 8270E_6_(6/18)	3
3,3'-Dichlorobenzidine	EPA 8270E_6_(6/18)	3
3-Methylphenol (m-Cresol)	EPA 8270E_6_(6/18)	3
3-Nitroaniline	EPA 8270E_6_(6/18)	3
4,6-Dinitro-2-methylphenol	EPA 8270E_6_(6/18)	3
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E_6_(6/18)	3
4-Chloro-3-methylphenol	EPA 8270E_6_(6/18)	3
4-Chloroaniline	EPA 8270E_6_(6/18)	3
4-Chlorophenyl phenylether	EPA 8270E_6_(6/18)	3
4-Methylphenol (p-Cresol)	EPA 8270E_6_(6/18)	3
4-Nitroaniline	EPA 8270E_6_(6/18)	3
Acenaphthene	EPA 8270E_6_(6/18)	3
Acenaphthylene	EPA 8270E_6_(6/18)	3
alpha-Terpineol	EPA 8270E_6_(6/18)	3
Aniline	EPA 8270E_6_(6/18)	3
Anthracene	EPA 8270E_6_(6/18)	3
Benzo(a)anthracene	EPA 8270E_6_(6/18)	3
Benzo(a)pyrene	EPA 8270E_6_(6/18)	3
Benzo(g,h,i)perylene	EPA 8270E_6_(6/18)	3
Benzo(k)fluoranthene	EPA 8270E_6_(6/18)	3
Benzo[b]fluoranthene	EPA 8270E_6_(6/18)	3
Benzoic acid	EPA 8270E_6_(6/18)	3
Benzyl alcohol	EPA 8270E_6_(6/18)	3
bis(2-Chloroethoxy)methane	EPA 8270E_6_(6/18)	3
bis(2-Chloroethyl) ether	EPA 8270E_6_(6/18)	3
bis(2-Chloroisopropyl) ether	EPA 8270E_6_(6/18)	3

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Matrix/Analyte	Method	Notes
Butyl benzyl phthalate	EPA 8270E_6_(6/18)	3
Carbazole	EPA 8270E_6_(6/18)	3
Chrysene	EPA 8270E_6_(6/18)	3
Di(2-ethylhexyl)phthalate	EPA 8270E_6_(6/18)	3
Dibenz(a,h) anthracene	EPA 8270E_6_(6/18)	3
Dibenzofuran	EPA 8270E_6_(6/18)	3
Diethyl phthalate	EPA 8270E_6_(6/18)	3
Dimethyl phthalate	EPA 8270E_6_(6/18)	3
Di-n-butyl phthalate	EPA 8270E_6_(6/18)	3
Di-n-octyl phthalate	EPA 8270E_6_(6/18)	3
Fluoranthene	EPA 8270E_6_(6/18)	3
Fluorene	EPA 8270E_6_(6/18)	3
Hexachlorobenzene	EPA 8270E_6_(6/18)	3
Hexachlorobutadiene	EPA 8270E_6_(6/18)	3
Hexachlorocyclopentadiene	EPA 8270E_6_(6/18)	3
Hexachloroethane	EPA 8270E_6_(6/18)	3
Indeno(1,2,3-cd) pyrene	EPA 8270E_6_(6/18)	3
Isophorone	EPA 8270E_6_(6/18)	3
Naphthalene	EPA 8270E_6_(6/18)	3
Nitrobenzene	EPA 8270E_6_(6/18)	3
n-Nitrosodimethylamine	EPA 8270E_6_(6/18)	3
N-Nitroso-di-n-propylamine	EPA 8270E_6_(6/18)	3
n-Nitrosodiphenylamine	EPA 8270E_6_(6/18)	3
Pentachlorophenol	EPA 8270E_6_(6/18)	3
Phenanthrene	EPA 8270E_6_(6/18)	3
Phenol	EPA 8270E_6_(6/18)	3
Pyrene	EPA 8270E_6_(6/18)	3
Pyridine	EPA 8270E_6_(6/18)	3
Ignitability	EPA 1010A - 2002	

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Matrix/Analyte	Method	Notes
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Accredited Parameter Note Detail

(1) Provisional accreditation pending submittal of acceptable corrective action report.(2) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110).(3) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100).



01/08/2020

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

Date