



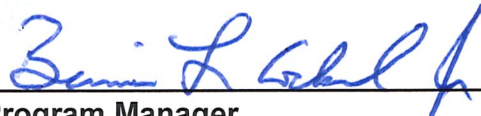
Environmental Laboratory Certification Program

In accordance with the provisions of Regulation 61-81, entitled "State Environmental Laboratory Certification Regulations"

**SOUTHWEST RESEARCH INSTITUTE
6220 CULEBRA RD
SAN ANTONIO, TEXAS 78238-5166**

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of the data generated, but indicates the laboratory's adherence to prescribed methodology, quality control, records keeping, and reporting procedures. This certificate is the property of S.C. DHEC and must be surrendered upon demand. This certificate is non-transferable and is valid only for the parameters and methodology listed on the attached parameter list(s).

Laboratory Director: MICHAEL DAMMANN
Certifying Authority: TX
Date of Issue: June 19, 2020
Date of Expiration: April 30, 2021
Certificate Number: 82013001



Program Manager
Office of Environmental Laboratory Certification

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

SOUTHWEST RESEARCH INSTITUTE (Laboratory ID 82013)
Laboratory Director: MICHAEL DAMMANN
Certifying Authority: TX
Certificate Number: 82013001

Date of Issue: June 19, 2020
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SOLID & HAZARDOUS WASTES

INORGANIC - HAZARDOUS WASTE CHARACTERISTICS

TCLP-TOX. CHAR. LEACH. PROC.

EPA 1311 (1992)

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

INORGANIC - TRACE METAL

ALUMINUM	EPA 6010D (2018)	ICP/AES
ANTIMONY	EPA 6010D (2018)	ICP/AES
ANTIMONY	EPA 6020B (2014)	ICP/MS
ARSENIC	EPA 6010D (2018)	ICP/AES
ARSENIC	EPA 6020B (2014)	ICP/MS
BARIUM	EPA 6010D (2018)	ICP/AES
BARIUM	EPA 6020B (2014)	ICP/MS
BERYLLIUM	EPA 6010D (2018)	ICP/AES
BERYLLIUM	EPA 6020B (2014)	ICP/MS
BORON	EPA 6010D (2018)	ICP/AES
CADMIUM	EPA 6010D (2018)	ICP/AES
CADMIUM	EPA 6020B (2014)	ICP/MS
CALCIUM	EPA 6010D (2018)	ICP/AES
CHROMIUM	EPA 6010D (2018)	ICP/AES
CHROMIUM	EPA 6020B (2014)	ICP/MS
COBALT	EPA 6010D (2018)	ICP/AES
COPPER	EPA 6010D (2018)	ICP/AES
IRON	EPA 6010D (2018)	ICP/AES
LEAD	EPA 6010D (2018)	ICP/AES
LEAD	EPA 6020B (2014)	ICP/MS
LITHIUM	EPA 6010D (2018)	ICP/AES
MAGNESIUM	EPA 6010D (2018)	ICP/AES
MANGANESE	EPA 6010D (2018)	ICP/AES
MERCURY	EPA 7470A (1994)	COLD VAPOR TECHNIQUE LIQUID
MERCURY	EPA 7471B (2007)	COLD VAPOR TECHNIQUE SOLID
METALS DIGESTION	EPA 3050B (1996)	SOLID ACID DIGESTION
MOLYBDENUM	EPA 6010D (2018)	ICP/AES
NICKEL	EPA 6010D (2018)	ICP/AES
NICKEL	EPA 6020B (2014)	ICP/MS
POTASSIUM	EPA 6010D (2018)	ICP/AES
SELENIUM	EPA 6010D (2018)	ICP/AES
SELENIUM	EPA 6020B (2014)	ICP/MS
SILVER	EPA 6010D (2018)	ICP/AES
SILVER	EPA 6020B (2014)	ICP/MS
SODIUM	EPA 6010D (2018)	ICP/AES
STRONTIUM	EPA 6010D (2018)	ICP/AES

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SOLID & HAZARDOUS WASTES

INORGANIC - TRACE METAL

THALLIUM	EPA 6010D (2018)	ICP/AES
THALLIUM	EPA 6020B (2014)	ICP/MS
TIN	EPA 6010D (2018)	ICP/AES
TITANIUM	EPA 6010D (2018)	ICP/AES
VANADIUM	EPA 6010D (2018)	ICP/AES
ZINC	EPA 6010D (2018)	ICP/AES