



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MATERIALS AND CHEMISTRY LABORATORY, INC.

161 Mitchell Road
 Oak Ridge, TN 37830
 Chelsea Bradley 865-276-6910

ENVIRONMENTAL

Valid To: June 30, 2026

Certificate Number: 7821.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) and the Department of Energy Consolidated Audit Program (DOECAP) as detailed in version 6.0 of the DoD/DOE Quality Systems Manual for Environmental Laboratories), accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>	<u>Hazardous Waste</u>	
			<u>Solid</u>	<u>Aqueous</u>
<u>Metals</u>				
Aluminum	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Antimony	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Arsenic	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010 NIOSH 7300 NIOSH 7301 OSHA ID 125-G	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Barium	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Beryllium	NIOSH 7303 OSHA ID-125G	ASTM C1287 NIOSH 7303	ASTM C1287 NIOSH 7303	ASTM C1287 NIOSH 7303

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>	<u>Hazardous Waste</u>	
			<u>Solid</u>	<u>Aqueous</u>
	EPA 6020	EPA 6020 EPA 200.8 EPA 6010	EPA 6020 OSHA ID 125-G EPA 6010	EPA 6020 EPA 200.8 EPA 6010
Bismuth	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Boron	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010 ASTM C1771	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010 ASTM C1771
Boron-10	-----	EPA 6020 ASTM C1771 ASTM C1287	EPA 6020 ASTM C1771 ASTM C1287	EPA 6020 ASTM C1771 ASTM C1287
Boron-11	-----	EPA 6020 ASTM C1771 ASTM C1287	EPA 6020 ASTM C1771 ASTM C1287	EPA 6020 ASTM C1771 ASTM C1287
Cadmium	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010 NIOSH 7300	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
			NIOSH 7301 OSHA ID 125-G	
Calcium	-----	-----	ASTM C1287 EPA 6010	-----
Cerium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Chromium	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010 NIOSH 7300 NIOSH 7301 OSHA ID 125-G	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Cobalt	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>	<u>Hazardous Waste</u>	
			<u>Solid</u>	<u>Aqueous</u>
		EPA 6010		EPA 6010
Copper	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010 NIOSH 7300 NIOSH 7301 OSHA ID 125-G	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Dysprosium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Erbium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Europium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Gadolinium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Hexavalent Chromium	ASTM D5257 EPA 7199	ASTM D5257 EPA 7199	ASTM D5257 EPA 7199	ASTM D5257 EPA 7199
Holmium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Iron	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010 NIOSH 7300 NIOSH 7301 OSHA ID 125-G	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Lanthanum	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Lead	NIOSH 7300 NIOSH 7301 NIOSH 7303	ASTM C1287 NIOSH 7303 EPA 6020	ASTM C1287 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>	<u>Hazardous Waste</u>	
			<u>Solid</u>	<u>Aqueous</u>
	OSHA ID-125G EPA 6010	EPA 200.8 EPA 6010	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID 125-G	EPA 200.8 EPA 6010
Lithium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Lithium-6	-----	EPA 6020	EPA 6020	EPA 6020
Lithium-7	-----	EPA 6020	EPA 6020	EPA 6020
Lutetium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Magnesium	-----	-----	EPA 6010	-----
Manganese	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 EPA 6020 EPA 6010 NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID 125-G	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Mercury	NIOSH 6009	EPA 7470 EPA 245.1	NIOSH 6009 EPA 7471	EPA 7470 EPA 245.1
Molybdenum	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Neodymium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Nickel	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010 NIOSH 7300 NIOSH 7301 OSHA ID 125-G	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Palladium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>	<u>Hazardous Waste</u>	
			<u>Solid</u>	<u>Aqueous</u>
Potassium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Praseodymium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Samarium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Scandium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Selenium	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Silica	NIOSH 7500	-----	NIOSH 7500	
Silicon	-----	ASTM C1771 ASTM C1287	EPA 6010 ASTM C1771 ASTM C1287	ASTM C1771 ASTM C1287
Silver	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Sodium	-----	-----	EPA 6010	-----
Strontium	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Sulfur	-----	-----	ASTM E1019	-----
Technetium-99	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 ASTM C1771	ASTM C1771 ASTM C1287 EPA 6020	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 ASTM C1771
Terbium	-----	-----	EPA 6010	-----
Thallium	-----	ASTM C1287	ASTM C1287	ASTM C1287

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>	<u>Hazardous Waste</u>	
			<u>Solid</u>	<u>Aqueous</u>
		NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	NIOSH 7303 EPA 6020 EPA 6010	NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Thulium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Tin	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Titanium	-----	-----	EPA 6010	-----
Uranium	-----	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Uranium-235	ASTM C1345 ASTM C1474 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1345 ASTM C1474 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1345 ASTM C1474 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1345 ASTM C1474 ASTM C1413 ASTM C1380 EPA 6020
Uranium-238	ASTM C1345 ASTM C1474 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1345 ASTM C1474 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1345 ASTM C1474 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1345 ASTM C1474 ASTM C1413 ASTM C1380 EPA 6020
Vanadium	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010 NIOSH 7300 NIOSH 7301 OSHA ID 125-G	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8 EPA 6010
Ytterbium	-----	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Zinc	NIOSH 7300 NIOSH 7301 NIOSH 7303 OSHA ID-125G	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8	ASTM C1287 NIOSH 7303 EPA 6020 EPA 6010	ASTM C1287 NIOSH 7303 EPA 6020 EPA 200.8

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>	<u>Hazardous Waste</u>	
			<u>Solid</u>	<u>Aqueous</u>
	EPA 6010	EPA 6010	NIOSH 7300 NIOSH 7301 OSHA ID 125-G	EPA 6010
Fluoride	NIOSH 7906 NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0
Chloride	NIOSH 7907 NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0
Bromide	NIOSH 7907 NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0
Nitrite	NIOSH 7903 EPA 300.0 EPA 6014	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0
Nitrate	NIOSH 7907 NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0
Sulfate	NIOSH 7908 NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0
Phosphate	NIOSH 7908 NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0	EPA 9056A NIOSH 7903 EPA 300.0
<u>Wet Chemistry</u>				
Free Acidity by Oxalate Complexation	-----	ASTM C799-12	-----	ASTM C799-12
Percent Moisture	-----	-----	MCL-7756 Appendix MM	-----
pH	-----	MCL-7801 ASTM C799	-----	MCL-7801 ASTM C799
Total Uranium	-----	ASTM C1267 SM 2540 B, C, D	-----	ASTM C1267 SM 2540 B, C, D
<u>Other</u>				
Asbestos	NIOSH 7400 NIOSH 7402 NIOSH 9002	-----	NIOSH 9002	-----
Determination of Carbon and Sulfur	-----	-----	ASTM E1019	-----
Elemental Analysis (SEM)	ASTM E0766 ASTM E1508 ASTM E986 ASTM E1058	ASTM E0766 ASTM E1508 ASTM E986 ASTM E1058	ASTM E0766 ASTM E1508 ASTM E986 ASTM E1058	ASTM E0766 ASTM E1508 ASTM E986 ASTM E1058

<u>Parameter/Analyte</u>	<u>Air</u>	<u>Nonpotable Water</u>	<u>Hazardous Waste</u>	
			<u>Solid</u>	<u>Aqueous</u>
Fluorides	NIOSH 7902	-----	NIOSH 7902	-----
Organic Analysis (FTIR)	ASTM C1842 ASTM D2702 ASTM D3677 ASTM E1252	ASTM C1842 ASTM D2702 ASTM D3677 ASTM E1252	ASTM C1842 ASTM D2702 ASTM D3677 ASTM E1252	ASTM C1842 ASTM D2702 ASTM D3677 ASTM E1252
Particulates in Air	NIOSH 0500 NIOSH 0600	-----	-----	-----
Weight Loss on Heating Compound Identification (TGA-MS)	-----	ASTM C1909 ASTM E2402 ASTM 1131	ASTM C1909 ASTM E2402 ASTM 1131	ASTM C1909 ASTM E2402 ASTM 1131
<u>Prep Methods</u>				
Anions	-----	-----	ASTM D808	-----
Hexavalent Chromium	OSHA ID-215	-----	EPA 3060A	-----
Metals Prep	NIOSH 7300 OSHA ID-125G	EPA 3010A EPA 3051 EPA 3052 OSHA ID-125G	EPA 3050B EPA 3051 EPA 3052 OSHA ID -125G NIOSH 7300	EPA 3010A EPA 3051 EPA 3052 OSHA ID-125G
Toxicity Characteristic Leaching Procedure	-----	EPA 1311 EPA 1312	EPA 1311	EPA 1311 EPA 1312

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform recognized methods using the following testing technologies and in the analyte categories identified below:

<u>Parameter/Analyte</u>	<u>Solid Hazardous Waste</u>
Aluminum	ASTM C1287 EPA 6010
Antimony	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Arsenic	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Barium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Beryllium	ASTM C1287 EPA 6010
Bismuth	ASTM C1287

<u>Parameter/Analyte</u>	<u>Solid Hazardous Waste</u>
	ASTM C1413 ASTM C1380 EPA 6020
Boron	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Cadmium	ASTM C1287 EPA 6010
Cadmium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Calcium	ASTM C1287 EPA 6010
Cerium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Cesium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Chromium	ASTM C1287 EPA 6010
Cobalt	ASTM C1287 EPA 6010
Copper	ASTM C1287 EPA 6010
Dysprosium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Erbium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Europium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Gadolinium	ASTM C1287 ASTM C1413 ASTM C1380

<u>Parameter/Analyte</u>	<u>Solid Hazardous Waste</u>
	EPA 6020
Gallium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Germanium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Gold	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Hafnium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Holmium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Indium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Iridium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Iron	ASTM C1287 EPA 6010
Lanthanum	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Lead	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Lithium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Lutetium	ASTM C1287

<u>Parameter/Analyte</u>	<u>Solid Hazardous Waste</u>
	ASTM C1413 ASTM C1380 EPA 6020
Magnesium	ASTM C1287 EPA 6010
Manganese	ASTM C1287 EPA 6010
Mercury	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Molybdenum	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Neodymium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Nickel	ASTM C1287 EPA 6010
Niobium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6010 EPA 6020
Osmium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Palladium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Phosphorus	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Platinum	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Potassium	ASTM C1287 ASTM C1413

<u>Parameter/Analyte</u>	<u>Solid Hazardous Waste</u>
	ASTM C1380 EPA 6020
Praseodymium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Rhenium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Rhodium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Rubidium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Ruthenium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Samarium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Scandium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Selenium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Silicon	ASTM C-1287 EPA 6010
Silver	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Sodium	ASTM C-1287 EPA 6010
Strontium	ASTM C1287 ASTM C1413

<u>Parameter/Analyte</u>	<u>Solid Hazardous Waste</u>
	ASTM C1380 EPA 6020
Tantalum	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Tellurium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Terbium	ASTM C-1287 EPA 6010
Thallium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Thorium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Thulium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Tin	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Titanium	ASTM C1287 EPA 6010
Tungsten	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Vanadium	ASTM C1287 EPA 6010
Ytterbium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020
Yttrium	ASTM C1287 EPA 6010
Zinc	ASTM C1287 EPA 6010

<u>Parameter/Analyte</u>	<u>Solid Hazardous Waste</u>
Zirconium	ASTM C1287 ASTM C1413 ASTM C1380 EPA 6020



Accredited Laboratory

A2LA has accredited

MATERIALS AND CHEMISTRY LABORATORY, INC.

Oak Ridge, TN

for technical competence in the field of

Environmental Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017, the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) and Department of Energy Consolidated Audit Program (DOECAP) as detailed in version 6.0 of the DoD/DOE Quality System Manual (QSM) for Environmental Laboratories, the A2LA R220 – Specific Requirements – A2LA DoD Environmental Laboratory Accreditation Program, and the A2LA R252 – Specific Requirements – A2LA DOECAP Environmental Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 12th of March 2026

A blue ink signature of Trace McInturf.

Mr. Trace McInturf, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7821.01
Valid to June 30, 2026