



ALS Salt Lake City, UT Hexavalent Chromium

Industrial Hygiene

- TO-14, 15
- Beryllium
- Diesel Particulates
- Pesticides and Herbicides Scans
- TO-17
- Silica
- Methamphetamine
- GC/MS Screens
- Metals Panels
- Aldehydes and Amines
- Antineoplastic / Chemotherapy Drugs

Environmental

- Perchlorate (6850)
- White Phosphorus (7580)
- NDMA
- Explosives/Nitroaromatics
- Vapor Intrusion
- Chemical Agent Breakdown Products by LC/MS
- SW-846 Methods
- EPA CLP
- DoD
- SEDD (Staged Electronic Data Deliverable)

Microbiology/Mycology

- Non-Viable Fungal Spore Analysis
- Viable Fungal and Bacterial Analysis
- Microbial Identification
- Endotoxins/Mycotoxins
- Coliforms and E. coli 0157:H7

Dietary Supplements

- Vitamin Analysis
- Pesticides Screens
- Minerals Analysis
- Heavy Metals

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Introduction: Hexavalent Chromium is encountered in welding of stainless steel, use of refractory bricks, battery production, pigments, catalysts, electroplating, textiles, tanning, wood preserving and industrial water treatment. Toxicity of hexachrom in dust, fumes and mists is a health concern. WHO, DHHS, USEPA, and IARC have determined that Hexavalent Chromium causes lung cancer in humans. In addition, mucous membranes and skin ulcers and perforation of the nasal septum occur.

Problem: There is a need for analytical services to support Hexavalent Chromium workplace exposure evaluation.

Solution: ALS Environmental offers low-level analysis of Hexavalent Chromium in Industrial Hygiene and Environmental matrices using methods NIOSH 7605, OSHA ID 215 and EPA 7196.

The Occupational Health and Safety Administration published their final standard on hexachrom in February 2006 setting the PEL to 5µg/m³ with an action level of 2.5µg/m³ over 8 hours.

ALS was involved with developing NIOSH method 7605 and is proficient at providing hexachrom analysis

- ALS performs hexachrom analysis using OSHA ID 215
- NIOSH 7605 and EPA 7196 can also be requested
- ALS is a premier analytical method research laboratory and was selected by NIOSH to perform and evaluate NIOSH 7605. Our research led to the publication of this method.

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