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- Professional Liability Insurance
- Seasoned professional services
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- Risk Mitigation
- Litigation Support
- Reliable, on-time completion
- Competitive pricing
- Regular updates

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## Air Monitoring Services

DQSI, LLC



Reducing  
employer  
liability  
through  
workplace  
monitoring  
and worker  
protection

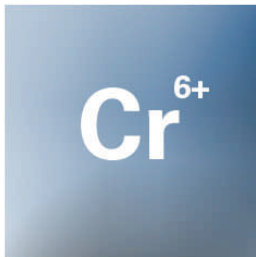


For a full list of DQSI capabilities:  
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Tel: 985-871-7472  
[www.DQSI.com/capabilities/Environmental-services/air-monitoring](http://www.DQSI.com/capabilities/Environmental-services/air-monitoring)

# Comprehensive Approach and Methods to Protect Employers and Workers

DQSI conducts air monitoring of hexavalent chromium in the workplace. The importance of air monitoring is to reduce employer liability through workplace monitoring and worker protection. Exposures to hexavalent chromium can occur during stainless steel welding, thermal cutting, chrome plating, painting, and coating. An increased risk of lung cancer has been demonstrated in workers exposed to Cr(VI) compounds. Other adverse health effects associated with Cr(VI) exposure include dermal irritation, skin ulceration, allergic contact dermatitis, occupational asthma, nasal irritation and ulceration, perforated nasal septa, rhinitis, nosebleed, respiratory irritation, nasal cancer, sinus cancer, eye irritation and damage, perforated eardrums, kidney damage, liver damage, pulmonary congestion and edema, epigastric pain, and erosion and discoloration of the teeth.



**Our comprehensive air monitoring services are performed in accordance with the following OSHA 29 CFR 1910.1026 requirements:**

- **Rule establishes an 8-hour time weighted average (TWA)**
- **Exposure limit of 5 micrograms of hexavalent chromium per cubic meter of air (5 µg/m<sup>3</sup>)**
- **Considerable reduction from the previous PEL (52 µg/m<sup>3</sup> as hexavalent chromium)**



## Service Offerings and Employer Requirements

- Review workplace, equipment, materials, personnel and controls.
- Monitor airborne concentrations of hexavalent chromium.
- Determine personal exposure levels.
- Assist in determining what level of training and personal protective equipment (PPE) is needed.
- Prepare and maintain testing and certification records.
- Review liability and worker insurance requirements.
- Employer shall perform periodic monitoring at least every six months (when exposure exists)
- Periodic monitoring at least every three months when above PEL.
- Employer may discontinue monitoring only when PEL is below action level and verified over 7 day period.
- Employer shall perform additional monitoring when there has been any change in the production process, raw materials, equipment, personnel, work practices, or control methods