



Criterion

Laboratory Services





Environmental & Industrial Hygiene
Field Services...
Laboratory Services...
Training...

...Solution

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Note: For each analysis, the “X” indicates the turnaround times we offer for that analysis.





Asbestos Laboratory Services

Criterion Laboratories offers Asbestos Laboratory Services to Environmental Consultants, Asbestos Remediation Contractors, Engineering Companies, Government Agencies, Public School Districts, and many others. Our asbestos laboratory is fully accredited by NVLAP and AIHA Laboratory Accreditation Programs, along with additional state certifications. Criterion maintains industry expertise in methodologies using Polarized Light Microscopy (PLM) and Phase Contrast Microscopy (PCM) prescribed by ASTM, EPA, ISO, NIOSH, and others.

PCM - Air	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
NIOSH 7400		X	X		X		X	X

PLM - Bulk Building Materials	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
EPA 600/R-93/116 (Calibrated Visual Estimate (CVE) Reporting limit <1%)	X	X	X	X	X	X	X	X

*Bulk building materials include loose-fill insulations, acoustic and thermal sprays, pipe and boiler wraps, plasters, paints, flooring products, roofing materials and cementitious products.

PLM – Soil, Dust, Vermiculite	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
ASTM D7521 Asbestos in Soil/Vermiculite (Modified, Sieve Method)				X				



Lead (Pb) Laboratory Services

Criterion provides Lead (Pb) testing multiple sample matrices, including air, wipes, drinking water, soil, and bulk samples (paint chips, dust and building materials). Our laboratory is staffed by experienced scientists and has the necessary laboratory certifications to perform analyses prescribed by NIOSH, EPA, ASTM, and/or the CDC.

Lead (Pb) Laboratory Services (Wipes, Air, Chips)	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
Air (NIOSH 7082)					X			
Paint Chips (SW-846-7000B)		X	X	X	X		X	
Settled Dust Surface Wipes (SW-846-7000B)*	X	X	X	X	X	X	X	X
Soil (SW-846-7000B)					X			
Colorimetric	X							

*Complies with City of Philadelphia Regulations

X-Ray Fluorescence (XRF)	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
Paint (ASTM F2853-10)				X				



Environmental Microbiology Laboratory Services

Criterion's lab provided Microbiology Laboratory Services for testing related to Environmental Monitoring, Indoor Air Quality and Industrial Hygiene.

Non-Culturable Air Samples (Spore Traps)	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
Air-O-Cell (ASTM D7391)	X	X	X	X	X	X	X	X

Culturable Air Samples	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
Bioaerosols Fungi (CLI-340)								X
Bioaerosols Bacteria (CLI-340)								X

Bulk and Surface Samples	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
Identification of Fungal Structures with Direct Examination collected by Tape lift, Bulk, Swab, Wipe (ASTM D7658)			X	X	X	X	X	X

Endotoxin	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
Bacterial Endotoxins (CLI-403)							X	



Industrial Hygiene/Indoor Air Quality Laboratory Services

Criterion’s Industrial Hygiene and Indoor Air Quality Laboratories have expert knowledge of relevant NIOSH, OSHA, ASTM, and EPA methods. Our lab maintains an AIHA accreditation for Industrial Hygiene involving audits, reviews, and Proficiency Testing.

Dust Characterization	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
EPA 600/R-93/116 and SM D7391-09			X			X	X	

Air Samples—Nuisance and Respirable Dust	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	96 Hour	1 Week	2 Week
Respirable Dust (Inclusive of Diesel Particulate Matter) (NIOSH 0500)								X



Compliance Drinking Water Laboratory Services

Organic and Inorganic Contaminants	1 Week	2 Week
Individual Elements - EPA Drinking Water Primary Metals (EPA 200.5)* (Pb, Cu, As, Ba, Be, Cd, Cr, Se, Ag, Mn, & Fe)	X	X
Lithium (Li) (EPA 200.7)	X	X
Inorganic Ions (EPA 300.1)	X	X
Purgeable Organic Compounds (VOCs) (EPA 524.4)	X	X
PFAS25 (EPA 533)	X	X
Select PFAS Compounds (EPA 537.1)	X	X
Halo acetic Acid & Dalapon (EPA 552.3)	X	X
Disinfection Byproducts (DBP)	X	X

Microbiological Contaminants	24 Hour	48 Hour	72 Hour	2 Week
Heterotrophic Plate Count (HPC) (EPA SM9215B)		X		
Coliform/ <i>E. coli</i> via Colilert (Presence/Absence) (EPA SM9223)	X			
<i>Legionella</i> Enumeration and Detection including Serotyping with Membrane Filtration (ISO 11731)				X
Total Coliform by Membrane Filtration (EPA SM9222B + 9222G [NA+Mug])		X		

UCMR 5	1 Week	2 Week
EPA 200.7 (Lithium)	X	X
EPA 533 (25 PFAS Compounds)**		X
EPA 537.1 (18 PFAS Compounds)**		X

*Additional elements can be added for \$10.00 each. / **there will be an additional cost of \$160.00 per Field Reagent Blank (FRB) (if analysis is required)



Non-Compliance Drinking Water Laboratory Services

Organic and Inorganic Contaminants	1 Week	2 Week
Individual Elements - EPA Drinking Water Primary Metals (EPA 200.5) (Pb, Cu, As, Ba, Be, Cd, Cr, Se, Ag, Mn, & Fe)	X	X
Lithium (Li) (EPA 200.7)	X	X
Inorganic Ions (EPA 300.1)	X	X
Purgeable Organic Compounds (VOCs) (EPA 524.4)	X	X
PFAS25 (EPA 533)	X	X
Select PFAS Compounds (EPA 537.1)	X	X
Halo acetic Acid & Dalapon (EPA 552.3)	X	X
Pesticide Scan (EPA 505)		X
Disinfection By-Products (DBPs)	X	X
pH	X	X
Turbidity	X	X
Hardness	X	X
Alkalinity	X	X
Conductivity	X	X
Total Dissolved Solids	X	X

Microbiological Contaminants	24 Hour	48 Hour	72 Hour	2 Week
Heterotrophic Plate Count (HPC) (EPA SM9215B)		X		
Coliform/ <i>E. coli</i> via Colilert (Presence/Absence) (EPA SM9223)	X			
<i>Legionella</i> Enumeration and Detection including Serotyping with Membrane Filtration (ISO 11731)				X
Total Coliform by Membrane Filtration (EPA SM9222B + 9222G [NA+Mug])		X		



Drinking Water

Packages	1 Week	2 Week
Standard Drinking Water Test Kit* (Total Coliform, Chloride, pH, Turbidity, Nitrate/Nitrite, Lead [Pb] and Copper [Cu])		X
Advanced Drinking Water Test Kit* (Total Coliform, Chloride, pH, Turbidity, Nitrate/Nitrite, 11 Metals including Pb and Cu, VOCs, and Pesticide Scan)		X

*A \$50.00 shipping fee is applied to drinking water packages requiring shipping.

Packages	1 Week	2 Week
PFAS Test Kit (25 PFAS Compounds)* (EPA 533)		X

*Standard shipping is included in price

Lab Opening Policy

Criterion provides After-Hour, Weekend, and Holiday Lab Services. The following is Criterion's Lab Opening policy:

Projects that require a Lab Opening fee must be paid in full in advance.

Samples with a 6-Hour Turnaround Time must be received by Criterion's Laboratory by 9:00am for Same-Day results.

Samples with a 3-Hour Turnaround Time must be received by 12:00pm for Same-Day results.

Samples dropped-off after 12:00pm requiring Same-Day results can be processed, but a Lab Opening Fee will be applied.

- Criterion's operating hours are Monday through Friday 8:00am-4:00pm. Analyses with Turnaround Times that require After-Hour processing will be charged the appropriate Lab Opening Fee
- Lab Opening is subject to staff availability. Lab Openings must be scheduled ahead of time. Call (215) 244-1300, Press 0.
- Clients are required to confirm acceptance of the Lab Opening Fee via Email.
- Lab Opening Fees are in addition to all other fees and must be paid to receive lab results.

2-Hour Lab Opening Fee: Applied if the analysis requires the Lab to extend its weekday hours by a maximum of 2 hours (until 6:00pm).

Fee: \$250

4-Hour Lab Opening Fee: Applied if the analysis requires the Lab to extend its weekday hours by a maximum of 4 hours (until 8:00pm).

Fee: \$500

8-Hour Lab Opening Fee: Applied if the analysis requires the Lab to extend its weekday hours by a maximum of 8 hours (until midnight). If the lab is required to open past midnight, additional fees may be applied.

Fee: \$1,000

Weekend Lab Opening Fee: Applied if the analysis requires the Lab to open anytime between Friday at 4:00pm and Monday at 8:00am.

Fee: \$900

Holiday Lab Opening Fee: Applied if the analysis requires the Lab to open on a Holiday, as observed by Criterion Labs.

Fee: \$1,100

Cancellation Policy:

Cancellation of Lab Openings must be done prior to 4 hours before the scheduled Lab Opening. Cancelling less than 4 hours before the Lab Opening will result in a 25% cancellation fee.