



Analysis for Airborne Metals Concentration

by Inductively-Coupled Plasma (ICP)
NIOSH 7303



Customer: Scientific Analytical Institute, Inc.
4604 Dundas Dr.
Greensboro, NC 27407

Attn: Nathan Durham

Lab Order ID: 10033057

Analysis: IPA

Date Received: 09/20/2023

Date Reported: 09/21/2023

Project: 65-12-184

Sample ID	Description	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m³)
Lab Sample ID	Lab Notes					
1	Torch cutting metal beams & metal pipes	980	Al	0.13	490	500
			Be	0.0050	<0.0050	<0.0051
			Cd	0.025	5.0	5.1
			Co	0.13	1.1	1.2
			Cr	0.050	0.58	0.59
			Cu	0.13	4.3	4.4
			Fe	0.13	5300	5500
			Li	0.050	0.099	0.10
			Mn	0.013	2.0	2.0
			Mo	0.13	1.1	1.2
			Ni	0.13	0.24	0.24
			P	0.25	6.3	6.4
			Pb	0.13	0.70	0.71
			Sb	0.38	<0.38	<0.38
			Sr	0.025	2.3	2.3
			Ti	0.025	0.41	0.41
			V	0.13	2.8	2.8
10033057_0001			Zn	0.13	2.1	2.2

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Athena Summa (2)

Analyst

Approved Signatory



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Sample ID	Description	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m³)
Lab Sample ID	Lab Notes					
2	Torch cutting metal duct work	650	Al	0.13	310	480
			Be	0.0050	<0.0050	<0.0077
			Cd	0.025	<0.025	<0.038
			Co	0.13	0.19	0.29
			Cr	0.050	0.39	0.60
			Cu	0.13	1.6	2.5
			Fe	0.13	110	180
			Li	0.25	2.5	3.8
			Mn	0.013	0.22	0.35
			Mo	0.13	0.54	0.84
			Ni	0.13	2.6	3.9
			P	0.25	2.0	3.1
			Pb	0.13	1.7	2.6
			Sb	0.38	<0.38	<0.58
			Sr	0.025	2.1	3.3
			Ti	0.025	1.4	2.1
			V	0.13	5.1	7.8
10033057_0002			Zn	0.13	2.5	3.8

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