



ANALYTICAL SERVICES

INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA/NVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

Analytical Results
for

ATC Associates

WorkOrder: R02040804

Client Reference: 19125-0279, Metals

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst
	(ug)	(mg/m ³)	(ppm)			

Client ID: ATC-0416-234M-M1	Lab ID: -01A	Date Sampled: 4/16/02	Matrix: Filter	Air Vol.(L): 1200			
Aluminum	2.09 ✓	0.00174	--	1	N7300 MCE	04/26/2002	AJB
Cadmium	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Chromium	0.468 ✓	0.000390	--	0.2	N7300 MCE	04/26/2002	AJB
Cobalt	<0.100	<0.0000833	--	0.1	N7300 MCE	04/26/2002	AJB
Copper	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Iron	4.04 ✓	0.00337	--	2	N7300 MCE	04/26/2002	AJB
Lead	0.379 ✓	0.000316	--	0.3	N7300 MCE	04/26/2002	AJB
Magnesium	<1.30	<0.00108	--	1.3	N7300 MCE	04/26/2002	AJB
Manganese	<0.300	<0.000250	--	0.3	N7300 MCE	04/26/2002	AJB
Molybdenum	<1.00	<0.000833	--	1	N7300 MCE	04/26/2002	AJB
Nickel	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Zinc	<0.500	<0.000417	--	0.5	N7300 MCE	04/26/2002	AJB

Client ID: ATC-0416-234M-M2	Lab ID: -02A	Date Sampled: 4/16/02	Matrix: Filter	Air Vol.(L): 1200			
Aluminum	1.60 ✓	0.00134	--	1	N7300 MCE	04/26/2002	AJB
Cadmium	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Chromium	0.454 ✓	0.000378	--	0.2	N7300 MCE	04/26/2002	AJB
Cobalt	<0.100	<0.0000833	--	0.1	N7300 MCE	04/26/2002	AJB
Copper	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Iron	<2.00	<0.00167	--	2	N7300 MCE	04/26/2002	AJB
Lead	0.346 ✓	0.000288	--	0.3	N7300 MCE	04/26/2002	AJB
Magnesium	<1.30	<0.00108	--	1.3	N7300 MCE	04/26/2002	AJB
Manganese	<0.300	<0.000250	--	0.3	N7300 MCE	04/26/2002	AJB
Molybdenum	<1.00	<0.000833	--	1	N7300 MCE	04/26/2002	AJB
Nickel	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Zinc	<0.500	<0.000417	--	0.5	N7300 MCE	04/26/2002	AJB



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	(ug)	(mg/m³)	(ppm)				
Client ID: ATC-0416-234M-M3							
	Lab ID: -03A	Date Sampled: 4/16/02		Matrix: Filter		Air Vol.(L): 1200	
Aluminum	1.56 ✓	0.00130	--	1	N7300 MCE	04/26/2002	AJB
Cadmium	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Chromium	0.358 ✓	0.000299	--	0.2	N7300 MCE	04/26/2002	AJB
Cobalt	<0.100	<0.0000833	--	0.1	N7300 MCE	04/26/2002	AJB
Copper	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Iron	2.51 ✓	0.00209	--	2	N7300 MCE	04/26/2002	AJB
Lead	0.376 ✓	0.000313	--	0.3	N7300 MCE	04/26/2002	AJB
Magnesium	<1.30	<0.00108	--	1.3	N7300 MCE	04/26/2002	AJB
Manganese	<0.300	<0.000250	--	0.3	N7300 MCE	04/26/2002	AJB
Molybdenum	<1.00	<0.000833	--	1	N7300 MCE	04/26/2002	AJB
Nickel	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Zinc	<0.500	<0.000417	--	0.5	N7300 MCE	04/26/2002	AJB
Client ID: ATC-0416-234M-M4							
	Lab ID: -04A	Date Sampled: 4/16/02		Matrix: Filter		Air Vol.(L): 1200	
Aluminum	1.68	0.00140 ✓	--	1	N7300 MCE	04/26/2002	AJB
Cadmium	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Chromium	0.686	0.000572 ✓	--	0.2	N7300 MCE	04/26/2002	AJB
Cobalt	<0.100	<0.0000833	--	0.1	N7300 MCE	04/26/2002	AJB
Copper	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Iron	2.53	0.00211 ✓	--	2	N7300 MCE	04/26/2002	AJB
Lead	0.424	0.000353 ✓	--	0.3	N7300 MCE	04/26/2002	AJB
Magnesium	<1.30	<0.00108	--	1.3	N7300 MCE	04/26/2002	AJB
Manganese	<0.300	<0.000250	--	0.3	N7300 MCE	04/26/2002	AJB
Molybdenum	<1.00	<0.000833	--	1	N7300 MCE	04/26/2002	AJB
Nickel	<0.200	<0.000167	--	0.2	N7300 MCE	04/26/2002	AJB
Zinc	<0.500	<0.000417	--	0.5	N7300 MCE	04/26/2002	AJB



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Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst
	(ug)	(mg/m ³)	(ppm)			

Client ID: ATC-0416-234M-M5	Lab ID: -05A	Date Sampled: 4/16/02		Matrix: Filter		Air Vol.(L): NA	
Aluminum	<1.00	--	--	1	N7300 MCE	04/26/2002	AJB
Cadmium	<0.200	--	--	0.2	N7300 MCE	04/26/2002	AJB
Chromium	0.348 ✓	--	--	0.2	N7300 MCE	04/26/2002	AJB
Cobalt	<0.100	--	--	0.1	N7300 MCE	04/26/2002	AJB
Copper	<0.200	--	--	0.2	N7300 MCE	04/26/2002	AJB
Iron	<2.00	--	--	2	N7300 MCE	04/26/2002	AJB
Lead	0.342 ✓	--	--	0.3	N7300 MCE	04/26/2002	AJB
Magnesium	<1.30	--	--	1.3	N7300 MCE	04/26/2002	AJB
Manganese	<0.300	--	--	0.3	N7300 MCE	04/26/2002	AJB
Molybdenum	<1.00	--	--	1	N7300 MCE	04/26/2002	AJB
Nickel	<0.200	--	--	0.2	N7300 MCE	04/26/2002	AJB
Zinc	<0.500	--	--	0.5	N7300 MCE	04/26/2002	AJB

Client ID: ATC-0416-234M-M6	Lab ID: -06A	Date Sampled: 4/16/02		Matrix: Filter		Air Vol.(L): NA	
Aluminum	<1.00	--	--	1	N7300 MCE	04/26/2002	AJB
Cadmium	<0.100	--	--	0.1	N7300 MCE	04/26/2002	AJB
Chromium	0.558 ✓	--	--	0.1	N7300 MCE	04/26/2002	AJB
Cobalt	<0.100	--	--	0.1	N7300 MCE	04/26/2002	AJB
Copper	<0.100	--	--	0.1	N7300 MCE	04/26/2002	AJB
Iron	<1.00	--	--	1	N7300 MCE	04/26/2002	AJB
Lead	<0.300	--	--	0.3	N7300 MCE	04/26/2002	AJB
Magnesium	<1.30	--	--	1.3	N7300 MCE	04/26/2002	AJB
Manganese	<0.300	--	--	0.3	N7300 MCE	04/26/2002	AJB
Molybdenum	<1.00	--	--	1	N7300 MCE	04/26/2002	AJB
Nickel	<0.100	--	--	0.1	N7300 MCE	04/26/2002	AJB
Zinc	<0.500	--	--	0.5	N7300 MCE	04/26/2002	AJB

(a) Analysis indicates possible breakthrough; back section result is greater than 0% of the front section result.

General Notes:

<: Less than the indicated limit of detection (LOD).

--: Information not available or not applicable.

Back sections were checked and showed no significant breakthrough.