

Validated Analytical Results for Metals Samples
Rockton Chemtool Fire
Rockton, Winnebago County, Illinois

Analyte	Cas No.	EPA Residential Air RML (TCR=1E-4, HQ=3)	RCF-Facility-210615	RCF-225P-210615	RCF-715A-210615	RCF-NET1-210615	RCF-NET2-210615	RCF-6121E-210615
Aluminum	7429-90-5	0.0016	0.0043088 U	0.0042822 U	0.0046044 U	0.0046675 U	0.0042874 U	0.0047446 U
Arsenic	7440-38-2	0.000047	0.0021544 U	0.0021411 U	0.0023022 U	0.0023337 U	0.0021437 U	0.0023723 U
Barium	7440-39-3	0.0016	0.00021544 U	0.00021411 U	0.00023022 U	0.00023337 U	0.00021437 U	0.00023723 U
Beryllium	7440-41-7	0.000063	0.000010772 U	0.000010705 U	0.000011511 U	0.000011669 U	0.000010719 U	0.000011861 U
Boron*	7440-42-8	0.063	0.0021544 U	0.0021411 U	0.0023022 U	0.0023337 U	0.0021437 U	0.0023723 U
Cadmium	7440-42-8	0.000031	0.000064632 U	0.000064233 U	0.000069066 U	0.000070012 U	0.000064311 U	0.000071168 U
Calcium	7440-43-9	NE	0.012926 U	0.012847 U	0.013813 U	0.014002 U	0.012862 U	0.014234 U
Chromium	7440-70-2	NE	0.0010772 U	0.0010705 U	0.0011511 U	0.0011669 U	0.0010719 U	0.0011861 U
Cobalt	7440-47-3	0.000019	0.000064632 U	0.000064233 U	0.000069066 U	0.000070012 U	0.000064311 U	0.000071168 U
Copper	7440-48-4	NE	0.00043088 U	0.00042822 U	0.00046044 U	0.00046675 U	0.00042874 U	0.00047446 U
Iron	7440-50-8	NE	0.0043088 U	0.0042822 U	0.0046044 U	0.0046675 U	0.0042874 U	0.0047446 U
Lead	7439-89-6	0.00015	0.00043088 U	0.00042822 U	0.00046044 U	0.00046675 U	0.00042874 U	0.00047446 U
Lithium	7439-92-1	NE	0.00086176 U	0.00085644 U	0.00092088 U	0.00093349 U	0.00085749 U	0.00094891 U
Magnesium	7439-95-4	NE	0.0033222 J+	0.0011385 J+	0.0011511 U	0.0011669 U	0.0010719 U	0.0011861 U
Manganese	7439-96-5	0.00016	0.00010772 U	0.00010705 U	0.00011511 U	0.00011669 U	0.00010719 U	0.00011861 U
Molybdenum	7439-98-7	0.0063	0.00032316 U	0.00032116 U	0.00034533 U	0.00035006 U	0.00032156 U	0.00035584 U
Nickel	7440-02-0	0.00028	0.00010772 UJ	0.00010705 UJ	0.00011511 UJ	0.00011669 UJ	0.00010719 UJ	0.00011861 UJ
Phosphorus	7723-14-0	NE	0.0043088 U	0.0042822 U	0.0046044 U	0.0046675 U	0.0042874 U	0.0047446 U
Selenium	7782-49-2	0.063	0.0021544 U	0.0021411 U	0.0023022 U	0.0023337 U	0.0021437 U	0.0023723 U
Silver	7440-22-4	NE	0.00021544 U	0.00021411 U	0.00023022 U	0.00023337 U	0.00021437 U	0.00023723 U
Sodium	7440-23-5	NE	0.0032316 U	0.0032116 U	0.0034533 U	0.0035006 U	0.0032156 U	0.0035584 U
Tellurium	13494-80-9	NE	0.0010772 U	0.0010705 U	0.0011511 U	0.0011669 U	0.0010719 U	0.0011861 U
Thallium	7440-28-0	NE	0.0010772 U	0.0010705 U	0.0011511 U	0.0011669 U	0.0010719 U	0.0011861 U
Titanium	7440-32-6	NE	0.000064632 U	0.000064233 U	0.000069066 U	0.000070012 U	0.000064311 U	0.000071168 U
Vanadium	7440-62-2	0.00031	0.000064632 U	0.000064233 U	0.000069066 U	0.000070012 U	0.000064311 U	0.000071168 U
Yttrium	7440-65-5	NE	0.000064632 U	0.000064233 U	0.000069066 U	0.000070012 U	0.000064311 U	0.000071168 U
Zinc	7440-66-6	NE	0.00043088 U	0.00042822 U	0.00046044 U	0.00046675 U	0.00042874 U	0.00047446 U
Zirconium	7440-67-7	NE	0.00043088 U	0.00042822 U	0.00046044 U	0.00046675 U	0.00042874 U	0.00047446 U

Notes:

All units are milligrams per cubic meter (mg/m³)

+ LCS and/or LCSD is outside acceptance limits, high biased.

CAS Chemical Abstract Service

EPA U.S. Environmental Protection Agency

HQ Hazard Quotient

J Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

RCF Rockton Chemtool Facility

RML Removal Management Level

TCR Target Cancer Risk

U Analyte was not detected

The analyte was not detected, but the reporting limit exceeds the Residential Air RML