

Welding Sample: 1 D

Welder: Buddy Clark

Location: Carpenter's Shop
(Galvanized)

Date: 8/20/82

Time: 209 min

Air Volume: 604.01 L

Ash: 5.2 mg

8hr TWA 9.83 mg/m³ } Total Welding Fume
4.28 mg/m³

Element	% of Ash	Amount (mg)	Conc (mg/m ³)	ACGIH TLV
Aluminum	0.1	.0052	.01	5
Barium	trace	-	-	0.5
Boron	ND	-	-	10
Calcium	0.05	.0026	.004	5
Chromium	0.02	.00104	.002	0.5
Copper	7	.364	.6	0.2 (0.1-0.5)
Iron	4	.208	.34	5 (10-5)
Lead	0.1	.0052	.009	.15 (.05)
Magnesium	0.08	.00416	.007	10
Manganese	0.2	.0104	.02	1
Nickel	0.02	.00104	.002	1
Silicon	0.5	.026	.04	5
Silver	ND	-	-	0.1
Strontium	ND	-	-	-
Tin	ND	-	-	2
Titanium	0.03	.00156	.003	5
Zinc	67	3.484	5.77	5 (10-STE)
Zirconium	ND	-	-	5

DUP 0814689

DU 009971