

AIR QUALITY ENGINEERING  
M66V HEXAVALENT CHROMIUM TESTING  
M66V with 95% ASHRAE  
With Upgraded Primary Filter Seal  
2HP with B.I. Blower  
JUNE 25, 2011

**Lincoln 308 L 1/8" 25 electrodes consumed per 30 minute sample**  
**Values in bold exceeded 5µg/m<sup>3</sup>**  
**AWS recommended value of 100 fpm at the arc was not exceeded.**

	A		B	C	D	E
<b>Sample Location</b>	HFAPR w/P100. <b>NO Air Cleaner.</b>		95% ASHRAE. <b>Upgraded Seal Hood 2 Diameters Away</b>	95% ASHRAE. <b>Upgraded Seal Hood 1.5 Diameters Away</b>	95% ASHRAE. <b>Upgraded Seal Hood 1 Diameter Away</b>	95% ASHRAE. <b>Upgraded Seal Hood 2 Diameters Away <u>ON TABLE</u></b>
Inside Welder's Hood	<b>658.24 µg/m<sup>3</sup></b>		<b>13.722 µg/m<sup>3</sup></b>	2.222 µg/m <sup>3</sup>	2.075 µg/m <sup>3</sup>	2.195 µg/m <sup>3</sup>
Area sample 5' from arc	<b>30.29 µg/m<sup>3</sup></b>		2.222 µg/m <sup>3</sup>	2.763 µg/m <sup>3</sup>	3.402 µg/m <sup>3</sup>	2.453 µg/m <sup>3</sup>
Area sample 10' from arc	<b>25.34 µg/m<sup>3</sup></b>		1.593 µg/m <sup>3</sup>	2.071 µg/m <sup>3</sup>	2.636 µg/m <sup>3</sup>	2.633 µg/m <sup>3</sup>
Area sample 15' from arc	<b>29.44 µg/m<sup>3</sup></b>		2.850 µg/m <sup>3</sup>	2.538 µg/m <sup>3</sup>	2.283 µg/m <sup>3</sup>	3.542 µg/m <sup>3</sup>
Airflow At Arc	N/A		37 fpm	64 fpm	97 fpm.	95 fpm