

Table 2

Allied Brake Shop  
Air Sample Results  
Trace Metal Analysis

| Sample Number | Sample Volume<br>(cubic meters, m <sup>3</sup> ) | Sample Location    | Trace Metal Concentration $\mu\text{g}/\text{m}^3$ |      |      |       |      |      |
|---------------|--------------------------------------------------|--------------------|----------------------------------------------------|------|------|-------|------|------|
|               |                                                  |                    | Pb                                                 | Zn   | Cu   | Fe    | Mn   | Cr   |
| ALHV-1        | 89.0                                             | Brake Service Area | 4.04                                               | 0.74 | 0.27 | 18.00 | 0.21 | 0.11 |
| ALHV-2        | 125.7                                            | General Shop Area  | 1.27                                               | 2.07 | 0.17 | 12.72 | 0.18 | 0.07 |

Limit of Detection ( $\mu\text{g}/\text{sample}$ )

Lead 4  
Zinc 5  
Copper 2  
Iron 4  
Manganese 2  
Chromium 3

OSHA Standard ( $\mu\text{g}/\text{m}^3$ )

Lead 50 (TWA)  
Zinc oxide fume 5,000 (TWA)  
Copper dust 1,000 (TWA)  
Iron oxide fume 10,000 (TWA)  
Manganese 5,000 (ceiling)  
Chromium metal 1,000 (TWA)

NIOSH Recommended Standard ( $\mu\text{g}/\text{m}^3$ )

100 (TWA)  
5000 (TWA)  
None  
None  
None  
None