



Analysis for Airborne Lead Concentration

by Flame Atomic Absorption Spectroscopy
NIOSH 7082



Customer: Scientific Analytical Institute, Inc. **Attn:** Bourke Vaughan
4604 Dundas Dr.
Greensboro NC 27407

Lab Order ID: 1000000
Analysis ID: 1000000_PBE
Date Received: 04/22/2014
Date Reported: 04/22/2014

Project: Demonstration Report for Lead

| Sample ID | Description | Flow Rate (L/min) | Sample Time (min) | Volume (L) | Total Pb per Filter (µg) | Conc. (µg/m³) | 8 Hour TWA (µg/m³) |
|----------------------|------------------------|-------------------|-------------------|------------|--------------------------|---------------|--------------------|
| <i>Lab Sample ID</i> | <i>Lab Notes</i> | | | | | | |
| 3-11 | Personal #20 thickener | 2.03 | 568 | 960 | < 0.80 | < 0.83 | < 0.99 |
| 1000000PBE_11 | | | | | | | |
| 3-12 | Area #20 thickener | 2.03 | 341 | 960 | < 0.80 | < 0.83 | < 0.59 |
| 1000000PBE_12 | | | | | | | |
| 3-13 | Area #20 thickener | 2.03 | 577 | 900 | < 0.80 | < 0.89 | < 1.1 |
| 1000000PBE_13 | | | | | | | |
| 3-14 | Personal #20 thickener | 2.01 | 567 | 900 | 1.5 | 1.7 | 2.0 |
| 1000000PBE_14 | | | | | | | |
| 4-01 | Personal #20 thickener | 1.99 | 468 | 720 | < 0.80 | < 1.1 | < 1.1 |
| 1000000PBE_15 | | | | | | | |
| 4-02 | Area #20 thickener | 2.15 | 145 | 720 | < 0.80 | < 1.1 | < 0.34 |
| 1000000PBE_16 | | | | | | | |
| 4-03 | Personal decker tank | 2.13 | 213 | 600 | < 0.80 | < 1.3 | < 0.59 |
| 1000000PBE_17 | | | | | | | |
| 4-04 | Area decker tank | 2.7 | 452 | 600 | < 0.80 | < 1.3 | < 1.3 |
| 1000000PBE_18 | | | | | | | |

Scientific Analytical Institute successfully participates in the AIHA ELPAT for Lead program. ELPAT Laboratory ID: 173190 (R.L. = 2 µg/m³)
The quality control samples run with the samples in this report have passed all AIHA required specifications unless otherwise noted.
Exposure calculations are based on customer provided data and assume zero exposure for the remainder of exposure duration.

Analyst
Approved Signatory

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