

TA-49

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

memorandum

LANL/EA/00/1144

TO: NMED AIP, MS M993 DATE: November 3, 1994
 FROM: Max Maes, ESH-18 ^{max maes} MAIL STOP/TELEPHONE: K497/7-0817
 SYMBOL: ESH-18/WQ&H-94-536
 SUBJECT: ANALYSIS OF PIPE SAMPLE AT TA-49

For your information, attached is the result of Calculated Composition of pipe used at well DT-5A at TA-49. Results were provided by George Havrilla at CST-8.

If you have any further questions please call Max Maes at 667-0817. Thank you.

MM/em

Att.: a/s

Cy: Bruce Gallaher, ESH-18, MS K497
WQ&H File, MS K497



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Los Alamos
NATIONAL LABORATORY
memorandum

*Chemical Science and Technology
Responsible Chemistry for America*

CST-8, Inorganic Analytical Chemistry
Los Alamos, New Mexico 87545

To/MS: Max N. Maes, ESH-18, 7-0817, K497
From/MS: George J. Havrilla, CST-8, MS-G740
Phone/FAX: 7-962715-4737
Symbol: M11023194
Date: October 31, 1994

GJA

SUBJECT: Analysis of pipe sample

The sample was received on Friday October 28, 1994. The specimen consists of approximately 2 inches of a 1.5 inch diameter pipe. The specimen surface was cleaned with abrasive paper to remove surface contamination and rinsed with tap and distilled water and dried. It was then placed directly into the X-ray microfluorescence instrument. A spectrum was acquired and the net intensities were obtained. Relative elemental concentrations were calculated using the NO STANDARDS software.

The calculated relative composition of the pipe is as follows:

Si - 0.9 wt%	Zn - 93 wt%
Fe - 6 wt%	Pb - 0.6 wt%

These values are given for **information only** and cannot be used as absolute concentration values. The spectrum obtained from the pipe specimen is shown in the attached figure. The presence of the lead is clear as indicated by the three peaks between 10 and 14 keV and the peak between 2 and 4 keV. The silicon may be due to residual abrasive that was not completely removed by the water rinse.

If you have any questions regarding this analysis or require additional analysis please contact me at the above number.

Distribution:

R. Marshall - CST- 3

Spectrum of Pipe Sample

