

Analysis Number	Description	Grams (Dried)	Per Cent Organic Pb	Per Cent Inorganic Pb	Remarks
4A-6972	Soil beneath tank	8.5	0.06	0.25	Appears to be clay; no but a musty-like odor.
4A-6973	Sludge taken from sludge pit	6.5	1.31	1.38	Blackish material with line. Large amount of solved in alcohol-xylene impregnated with oily m not be removed by suction
4A-7101	Scale taken from side walls	6.0	0.17	3.09	

Note 1

Analyses of samples 4A-6973 and 4A-7101 were repeated in order to determine the amount of T.E.L. present lead portion.

4A-6973 --- Total lead in xylol extract (10 g. as is*) = 51.2 mg.
 Lead in xylol extract following treatment with 29% NH_4OH = 37.5 mg. = 73% T.E.L.

4A-7101 --- Total lead in xylol extract (10 g. as is*) = 2.00 mg.
 Lead in xylol extract following treatment with 29% NH_4OH = 1.46 mg. = 73% T.E.L.

*The preliminary alcohol treatment was eliminated in this case.

Note 2

A sample of cloth which had been placed over manhole was also submitted for analysis. The cloth had been 3-1/2 hours with a stream of compressed air being supplied to the tank.

Lead in control piece = 0.012 mg. per sq. ft.
 Lead in test cloth after exposure = 0.40 mg. per sq. ft.

Samples Received: December 18 and
 Samples Reported: January 9, 1941

N 24571

Analysis of a Number of Sludge and Scale Samples from Tank #2
Continental Oil Refining Company, Artesia, New Mexico

Description	Grams (Dried)	Per Cent Organic Pb	Per Cent Inorganic Pb	Remarks
in tank	8.5	0.06	0.25	Appears to be clay; no odor of gasoline, but a musty-like odor.
in from sludge pit	6.5	1.31	1.38	Blackish material with strong odor of gasoline. Large amount of oily material dissolved in alcohol-xylene. Sludge appeared impregnated with oily material which could not be removed by suction.
from side walls	6.0	0.17	3.09	

4A-6973 and 44A-7101 were repeated in order to determine the amount of T.E.L. present in the organic

1. lead in xylol extract (10 g. as is*) = 51.2 mg.
 2. in xylol extract following treatment with 29% NH₄OH = 37.5 mg. = 73% T.E.L.
 1. lead in xylol extract (10 g. as is*) = 2.00 mg.
 2. in xylol extract following treatment with 29% NH₄OH = 1.46 mg. = 73% T.E.L.

alcohol treatment was eliminated in this case.

ch had been placed over manhole was also submitted for analysis. The cloth had been in position for stream of compressed air being supplied to the tank.

iece = 0.012 mg. per sq. ft.
 h after exposure = 0.40 mg. per sq. ft.

Samples Received: December 18 and 23, 1944
 Samples Reported: January 9, 1945

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