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by

Wm. H. Braymen
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H. E. Smith

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Analytical Laboratory Operation
Redox Operation
Chemical Processing Department

June 16, 1965

HANFORD ATOMIC PRODUCTS OPERATION
RICHLAND, WASHINGTON

Work performed under Contract No. AT(45-1)-1350 between
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RESULTS6887-KW-E
KW-C-2All ± values are reported at the 95% confidence level.

lbs U/gal	1.843 ± 0.012
gms Pu/gal	0.502 ± 0.016
gms Pu/#U	0.2724
gms Pu/C/M	1.258×10^{-11}
gms Am ²⁴¹ /gal	1.19×10^{-4}
gms Cm ²⁴² /gal	3.49×10^{-8}
gms Np ²³⁷ /gal	2.80×10^{-3}
Wt % Pu ²³⁸	1.21×10^{-2}
Wt % Pu ²³⁹	94.505
Wt % Pu ²⁴⁰	$5.103 \pm .031$
Wt % Pu ²⁴¹	$0.381 \pm .0062$
Wt % Pu ²⁴²	$0.011 \pm .0004$
Wt % U ²³⁴	$0.010 \pm .0002$
Wt % U ²³⁵	$0.837 \pm .0021$
Wt % U ²³⁶	$0.025 \pm .0005$
Wt % U ²³⁸	99.129

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RESULTS6887-KW-E
KW-C-3All ± values are reported at the 95% confidence level.

lbs U/gal	3.193 ± 0.052
gms Pu/gal	0.848 ± 0.027
gms Pu/#U	0.2656
gms Pu/c/m	1.255×10^{-11}
gms Am ²⁴¹ /gal	2.47×10^{-4}
gms Cm ²⁴² /gal	5.57×10^{-8}
gms Np ²³⁷ /gal	4.99×10^{-3}
Wt % Pu ²³⁸	1.25×10^{-2}
Wt % Pu ²³⁹	94.441
Wt % Pu ²⁴⁰	$5.158 \pm .0086$
Wt % Pu ²⁴¹	$0.391 \pm .001$
Wt % Pu ²⁴²	0.011 ± 0.0002
Wt % U ²³⁴	0.009 ± 0.0001
Wt % U ²³⁵	$0.867 \pm .0022$
Wt % U ²³⁶	$0.032 \pm .0003$
Wt % U ²³⁸	99.093

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RESULTS6887-KW-E
FigAll $\pm$ values are reported at the 95% confidence level.

lbs U/gal	3.066 ± 0.028
gms Pu/gal	0.833 ± 0.017
gms Pu/#U	0.2718
gms Pu/c/m	1.254×10^{-11}
gms Am ²⁴¹ /gal	2.06×10^{-4}
gms Cm ²⁴² /gal	5.96×10^{-8}
gms Np ²³⁷ /gal	5.75×10^{-3}
Wt % Pu ²³⁸	1.30×10^{-2}
Wt % Pu ²³⁹	94.427
Wt % Pu ²⁴⁰	$5.166 \pm .0103$
Wt % Pu ²⁴¹	$0.396 \pm .0008$
Wt % Pu ²⁴²	$0.011 \pm .0003$
Wt % U ²³⁴	$0.007 \pm .0001$
Wt % U ²³⁵	0.868 ± 0.0033
Wt % U ²³⁶	$0.033 \pm .0004$
Wt % U ²³⁸	99.090

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