RL-SEP-587

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Released 1994

**Prepared for the U.S. Department of Energy
under Contract DE-AC06-76RLO 1830**

**Pacific Northwest Laboratory
Operated for the U.S. Department of Energy
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SPECIAL YIELD DATA ANALYSES FOR CORE ANALYSIS
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by

Wm. H. Braymen
and
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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RESULTS6706-C-N
C-C-1All ± values are reported at the 95% confidence level.

lbs U/gal	1.958 <u>±</u> 0.017
gms Pu/gal	0.660 <u>±</u> .009
gms Pu/# U	.3373
gms Pu/c/m	1.219 x 10 ⁻¹¹
gms Am ²⁴¹ /gal	3.85 x 10 ⁻⁴
gms Cm ²⁴² /gal	1.17 x 10 ⁻⁷
gms Np ²³⁷ /gal	3.28 x 10 ⁻³
Wt % Pu ²³⁸	1.33 x 10 ⁻²
Wt % Pu ²³⁹	92.894
Wt % Pu ²⁴⁰	6.467 <u>±</u> .0088
Wt % Pu ²⁴¹	0.620 <u>±</u> .0014
Wt % Pu ²⁴²	0.019 <u>±</u> .0003
Wt % U ²³⁴	0.008 <u>±</u> 0.0002
Wt % U ²³⁵	0.640 <u>±</u> 0.0011
Wt % U ²³⁶	0.015 <u>±</u> 0.0002
Wt % U ²³⁸	99.337

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