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Fallout Data at an Intermediate Range Downwind - Cabriolet and Buggy

A. L. Prindle

MASTER

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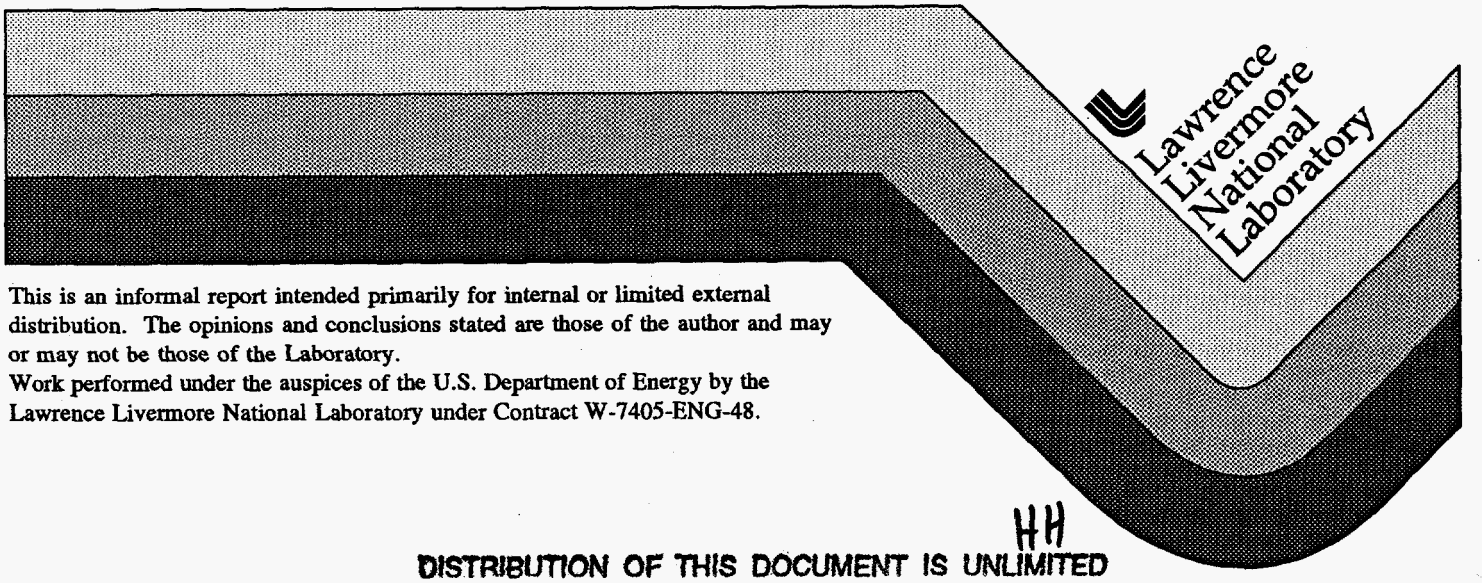

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DISCLAIMER

M E M O R A N D U M

TO: T. V. Crawford - L-42

FROM: A. L. Prindle

In response to your request for fallout data at an intermediate range downwind, the following samples have been selected from Cabriolet and Buggy:

Event	Tray I.D.	Bearing From G.Z.	Distance From G. Z. km
CABRIOLET	T-82	001°	7.63
	T-84	015°	5.57
	T-91	350°	9.00
	T-92	357°	8.24
BUGGY	L-54	350°	25.3
	L-66	348°	33.9

The data presented are thought to be "accurate" to within a factor of two, however the nature of the method of collection (2' x 2' fallout trays) and the late time recovery of some samples does not warrant any higher confidence. The precision of any one analysis is ± 25%.

A. L. Prindle
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Radiochemistry Division

ALP:em

Distribution:

1/7A - T. V. Crawford
2/7A - E. H. Fleming
3/7A - H. G. Hicks
4/7A - L. L. Schwartz
5/7A - H. A. Tewes
6/7A - J. A. Miskel
7/7A - A. L. Prindle

DEPOSITION pCi/m^2

Isotope	CABRIOLET				BUGGY	
	T-82	T-84	T-91	T-92	L-54	L-66
^{24}Na	---	---	7.0(6)	2.0(6)	3.5(5)	1.6(5)
^{95}Zr	---	---	---	---	1.4(3)	5.9(2)
^{99}Mo	9.4(2)	2.4(3)	2.7(5)	7.1(4)	3.4(4)	1.3(4)
^{132}Te	1.1(4)	2.2(4)	5.0(5)	8.0(4)	4.3(5)	1.9(5)
^{131}I	3.1(3)	7.1(3)	1.7(5)	2.7(4)	1.2(5)	9.6(4)
^{133}I	---	---	2.1(6)	3.4(5)	1.9(6)	8.2(5)
^{140}Ba	3.1(3)	3.7(3)	1.3(5)	1.7(4)	1.3(5)	5.9(4)
^{141}Ce	---	6.7(2)	2.8(4)	---	1.5(4)	6.7(3)
^{187}W	---	1.7(6)	7.1(7)	1.2(7)	1.7(7)	8.2(6)
^{196}Au	6.1(3)	1.1(4)	4.6(5)	8.3(4)	2.7(5)	1.1(5)
^{203}Pb	7.9(3)	1.7(4)	4.4(5)	7.3(4)	1.4(5)	7.1(4)

[redacted]