

MACCS2 Analysis	Description	Source Term	Run Number
UAS_CAP17v364_2509	MACCS2 analysis with LHS inputs for combined MELCOR Replicates 1, 2, and 3 (SOARCA Uncertainty Analysis Section 6.2 results)	All 865 Source Terms	1
UAS_CAP20v364_2509	MACCS2 analysis with SOARCA Estimate MACCS2 inputs for combined MELCOR Replicates 1, 2, and 3	All 865 Source Terms	2
UAS_CAP22v364_2509	MACCS2 analysis with LHS inputs for highest Prompt Fatality Risk source term determined from CAP 17 (same LHS random seed as CAP 17)	Replicate 2 Realization 291	3
UAS_CAP23v364_2509	MACCS2 analysis with LHS inputs for highest Prompt Fatality Risk source term determined from CAP 17 (different LHS random seed than CAP 22)	Replicate 2 Realization 291	4
UAS_CAP24v364_2509	MACCS2 analysis with LHS inputs for highest Prompt Fatality Risk source term determined from CAP 17 (different LHS random seed than CAP 22 and CAP 23)	Replicate 2 Realization 291	5
UAS_CAP25v364_2509	MACCS2 analysis with LHS inputs for highest LCF Risk source term determined from CAP 17 (same LHS random seed as CAP 17)	Replicate 3 Realization 46	6
UAS_CAP26v364_2509	MACCS2 analysis with LHS inputs for highest LCF Risk source term determined from CAP 17 (different LHS random seed than CAP 25)	Replicate 3 Realization 46	7
UAS_CAP27v364_2509	MACCS2 analysis with LHS inputs for highest LCF Risk source term determined from CAP 17 (different LHS random seed than CAP 25 and CAP 26)	Replicate 3 Realization 46	8
UAS_CAP28v364_2509	MACCS2 analysis with LHS inputs for low LCF Risk source term determined from CAP 20 (same LHS random seed as CAP 17)	Replicate 3 Realization 187	9
UAS_CAP29v364_2509	MACCS2 analysis with LHS inputs for low LCF Risk source term determined from CAP 20 (different LHS random seed than CAP 28)	Replicate 3 Realization 187	10
UAS_CAP30v364_2509	MACCS2 analysis with LHS inputs for low LCF Risk source term determined from CAP 20 (different LHS random seed than CAP 28 and CAP 29)	Replicate 3 Realization 187	11
UAS_CAP31v364_2509	MACCS2 analysis with LHS inputs for medium LCF Risk source term determined from CAP 20 (same LHS random seed as CAP 17)	Replicate 1 Realization 75	12
UAS_CAP32v364_2509	MACCS2 analysis with LHS inputs for medium LCF Risk source term determined from CAP 20 (different LHS random seed than CAP 31)	Replicate 1 Realization 75	13
UAS_CAP33v364_2509	MACCS2 analysis with LHS inputs for medium LCF Risk source term determined from CAP 20 (different LHS random seed than CAP 31 and CAP 32)	Replicate 1 Realization 75	14
UAS_CAP34v364_2509	MACCS2 analysis with LHS inputs for high LCF Risk source term determined from CAP 20 (same LHS random seed as CAP 17)	Replicate 1 Realization 290	15
UAS_CAP35v364_2509	MACCS2 analysis with LHS inputs for high LCF Risk source term determined from CAP 20 (different LHS random seed than CAP 34)	Replicate 1 Realization 290	16
UAS_CAP36v364_2509	MACCS2 analysis with LHS inputs for high LCF Risk source term determined from CAP 20 (different LHS random seed than CAP 34 and CAP 35)	Replicate 1 Realization 290	17

**Table 1: MACCS2 Runs to Source Term Crosswalk**