

**Shiloh and Galaxy Housing
Site SS045
Soil Analytical Results Maximum Exceedances
Scott Air Force Base, Illinois**

Analyte	USEPA Residential Soil RSL (µg/kg)	USEPA Residential Soil RML (µg/kg)	Maximum Exceedances (µg/kg)	Sample Identification Maximum Exceedances
Metals				
Lead	200,000	200,000 *	59,100,000	SS045-SS-1448-F
Polynuclear Aromatic Hydrocarbons (PAHs)				
Benzo(a)anthracene	1,100	113,000	43,400	SS045-1428-SE
Benzo(a)pyrene	110	11,500	42,900	SS045-1428-SE
Benzo(b)fluoranthene	1,100	115,000	59,500	SS045-1428-SE
Benzo[k]fluoranthene	11,000	1,150,000	24,000	SS045-1428-SE
Dibenz(a,h)anthracene	110	11,500	7,310	SS045-1428-SE
Indeno(1,2,3-cd)pyrene	1,100	115,000	29,400	SS045-1428-SE
Methylnaphthalene, 1-	18	550	6,520	SS045-SS-2409-F
Naphthalene	2,000	201,000	5,300	SS045-1428-SW
Pesticides				
Aldrin	39	3,930	1,730	SS045-SS-2209-R
Dichlorodiphenyltrichloroethane, p,p'- (DDT)	1,900	110,000	4,420	SS045-SS-2208-L
Dieldrin	34	3,390	6,200	SS045-SS-2152-B
Heptachlor epoxide	70	3,050	1,680	SS045-SS-2384-L
Toxaphene	490	17,100	1,550	SS045-SS-1465-L

Yellow highlighted values indicates the maximum detected value exceeds the U.S. Environmental Protection Agency (USEPA) residential soil Regional Screening Level (RSL) at a cancer risk of 1x10⁻⁶ (1 in 1,000,000) or a noncancer hazard quotient of 1).

Exceedances of a RSL generally indicate additional evaluation/investigation is warranted.

Orange highlighted values indicate the maximum detected value exceeds the USEPA residential soil Removal Management Level (RML) at a cancer risk of 1x10⁻⁴ (1 in 10,000) or a noncancer hazard quotient of 3. RMLs are used by site managers to evaluate the need to perform a removal action at a site.

A decision to undertake a removal action is informed by various factors not limited to the evaluation of site contamination using the RMLs.

Note, soil results exceeding the USEPA RSL or USEPA RML does not automatically indicate an unacceptable risk.

* For lead, the updated USEPA residential soil RSL (200,000 µg/kg) is also the RML (200,000 µg/kg).

ug/kg: microgram per kilogram