APPENDIX A
Table 7
DEFAULT VALUES FOR CALCULATING MEDIUM-SPECIFIC CONCENTRATIONS FOR LEAD

[Input Values Used in UBK Model for Lead] [(for residential exposure scenario)]			
[Geometric Standard Deviation] [(GSD)]	[1.42] [(default)]	[Drinking water intake]	[Model default]
[Outdoor air lead concentration]	[0.2 μg/m^3] [(default)]	[Soil lead level]	[495 μg/g]
[Indoor air lead concentration] [(% of outdoor)]	[30]	[Indoor dust lead level]	[495 μg/g]
[Time spent outdoors]	[Model default]	[Soil/dust ingestion weighting factor] [(%)]	[45]
[Ventilation rate]	[Model default]	[Paint lead intake]	[Model default]
[Lung absorption]	[Model default]	[Maternal contribution method]	[Infant model]
[Dietary lead intake]	[Model default]	[Mother's blood lead at birth]	[7.5 μg/dL blood] [(model default)]
[GI method/bioavailability]	[Non-linear]	[Target blood lead level]	[10 μg/dL blood]
[Lead concentration in drinking water]	[4.00 μg/L] [(default)]		

[Input Values Used in SEGH Equation] [(for nonresidential exposure scenario)]	
[Concentration of lead in soil (S)]	[987 μg/g]
[Target blood lead level in adults (T)]	[20 μg/dL blood]
[Geometric standard deviation of blood lead distribution (G)]	[1.4]
[Baseline blood lead level in target population (B)]	[4 μg/dL blood]
[Number of standard deviations corresponding to degree of protection required for the target population (n)]	[1.645 (for 95% of population)]
[Slope of blood lead to soil lead relationship (δ)]	[7.5 μg/dL blood per μg/g soil]

[REFERENCE]

[WIXSON, B.G. (1991). The Society for Environmental Geochemistry and Health (SEGH) Task Force Approach to the Assessment of Lead in Soil. Trace Substances in Environmental Health . 11-20.]

Input Values Used in IEUBK Model for Lead (for residential exposure scenario)		
Parameter	Value	
Outdoor Air Pb Concentration (µg/m^3)	Constant Value: 0.1	
Dietary Lead Intake (µg/day)	Age (Years)	Input
	0-1	2.26
	1-2	1.96
	2-3	2.13
	3-4	2.04
	4-5	1.95
	5-6	2.05
	6-7	2.22
Water Consumption (L/day)	Age (Years)	Input
	0-1	0.2
	1-2	0.5
	2-3	0.52
	3-4	0.53
	4-5	0.55
	5-6	0.58
	6-7	0.59
Use Alternate Water Value?	NO	
Lead concentration in drinking water (µg/L)	4	
MEDIA	ABSORPTION FRACTION PERCENT	
Soil	30	
Dust	30	
Water	50	
Diet	50	
Alternate	0	
Calculate PRG		
Select Age Group for Graph	0 to 84 months	
Change Cutoff	TBD	
Change GSD	1.6	
Probability of Exceeding the Cutoff	5	

Input Values Used in the Adult Lead Model (ALM) (for non-residential exposure scenario)			
Variable	Description of Variable	Units	Value
$PbB_{fetal, 0.95}$	Target PbB in fetus	µg/dL	TBD
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4
GSD_i	Geometric standard deviation PbB	--	1.8
PbB_0	Baseline PbB	µg/dL	0.6

IR_S	**Soil ingestion rate**	**g/day**	**0.050**
$AF_{S, D}$	**Absorption fraction**	**--**	**0.12**
$EF_{S, D}$	**Exposure frequency**	**days/yr**	**219**
$AT_{S, D}$	**Averaging time**	**days/yr**	**365**