LEAD MODEL FOR WINDOWS Version 1.1

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Model Version: 1.1 Build11
User Name: Christopher Lambesis, U.S. EPA
Date: 07/17/2019
Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Operable Unit: Incinerators Units 2,3, and 4
Run Mode: Without Veolia Emissions

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Multiple Runs: NO. 1 Medium: Soil (mg/kg)

****
INPUT VARIABLES
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****** Air ******

Age	Conc (µg Pb/m³)
.5-1	0.027
1-2	0.027
2-3	0.027
3-4	0.027
4-5	0.027
5-6	0.027
6-7	0.027

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m³/day)	Lung Absorption (%)
.5-1	1.000	2.000	32.000
1-2	2.000	3.000	32.000
2-3	3.000	5.000	32.000
3-4	4.000	5.000	32.000
4-5	4.000	5.000	32.000
5-6	4.000	7.000	32.000
6-7	4.000	7.000	32.000

****** Diet ******

Age	Diet Intake (µg Pb/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520

3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 2.000 µg Pb/L

****** Soil& Dust ******

Multiple Source Analysis Used
Average multiple source concentration: 72.700 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (ug Pb/g)
.5-1	100.000	72.700
1-2	100.000	72.700
2-3	100.000	72.700
3-4	100.000	72.700
4-5	100.000	72.700
5-6	100.000	72.700
6-7	100.000	72.700

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

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CALCULATED BLOOD LEAD AND LEAD UPTAKES:
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Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.006	1.088	0.000	0.193
1-2	0.009	0.940	0.000	0.480
2-3	0.017	1.027	0.000	0.502
3-4	0.018	0.989	0.000	0.514
4-5	0.018	0.954	0.000	0.538
5-6	0.025	1.006	0.000	0.569
6-7	0.025	1.091	0.000	0.580

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	2.086	3.372	1.8
1-2	3.303	4.733	2.0

2-3	3.320	4.866	1.8
3-4	3.338	4.859	1.7
4-5	2.495	4.005	1.4
5-6	2.253	3.853	1.2
6-7	2.131	3.828	1.1

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Multiple Runs: NO. 2 Medium: Soil (mg/kg)

****
INPUT VARIABLES
****

****** Air ******

Age	Conc (µg Pb/m³)
.5-1	0.027
1-2	0.027
2-3	0.027
3-4	0.027
4-5	0.027
5-6	0.027
6-7	0.027

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m³/day)	Lung Absorption (%)
.5-1	1.000	2.000	32.000
1-2	2.000	3.000	32.000
2-3	3.000	5.000	32.000
3-4	4.000	5.000	32.000
4-5	4.000	5.000	32.000
5-6	4.000	7.000	32.000
6-7	4.000	7.000	32.000

****** Diet ******

Age	Diet Intake (µg Pb/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580

6-7 0.590

Drinking Water Concentration: 2.000 µg Pb/L

****** Soil& Dust ******

Multiple Source Analysis Used
Average multiple source concentration: 142.700 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (ug Pb/g)
.5-1	200.000	142.700
1-2	200.000	142.700
2-3	200.000	142.700
3-4	200.000	142.700
4-5	200.000	142.700
5-6	200.000	142.700
6-7	200.000	142.700

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

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CALCULATED BLOOD LEAD AND LEAD UPTAKES:
****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.006	1.064	0.000	0.188
1-2	0.009	0.916	0.000	0.467
2-3	0.017	1.004	0.000	0.490
3-4	0.018	0.970	0.000	0.504
4-5	0.018	0.942	0.000	0.531
5-6	0.025	0.996	0.000	0.563
6-7	0.025	1.082	0.000	0.575

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	4.045	5.303	2.9
1-2	6.375	7.767	3.2
2-3	6.433	7.944	3.0
3-4	6.487	7.979	2.8
4-5	4.882	6.373	2.3

5-6	4.419	6.004	1.9	**Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois**
6-7	4.186	5.868	1.7	**Run Mode: Without Veolia Emissions**

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Multiple Runs: NO. 3 Medium: Soil (mg/kg)

****
INPUT VARIABLES
****

****** Air ******

Age	Conc (µg Pb/m³)
.5-1	0.027
1-2	0.027
2-3	0.027
3-4	0.027
4-5	0.027
5-6	0.027
6-7	0.027

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m³/day)	Lung Absorption (%)
.5-1	1.000	2.000	32.000
1-2	2.000	3.000	32.000
2-3	3.000	5.000	32.000
3-4	4.000	5.000	32.000
4-5	4.000	5.000	32.000
5-6	4.000	7.000	32.000
6-7	4.000	7.000	32.000

****** Diet ******

Age	Diet Intake (µg Pb/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 2.000 µg Pb/L

****** Soil& Dust ******

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: Without Veolia Emissions

Multiple Source Analysis Used
Average multiple source concentration: 212.700 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (ug Pb/g)
.5-1	300.000	212.700
1-2	300.000	212.700
2-3	300.000	212.700
3-4	300.000	212.700
4-5	300.000	212.700
5-6	300.000	212.700
6-7	300.000	212.700

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

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CALCULATED BLOOD LEAD AND LEAD UPTAKES:

****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.006	1.041	0.000	0.184
1-2	0.009	0.892	0.000	0.455
2-3	0.017	0.982	0.000	0.479
3-4	0.018	0.951	0.000	0.494
4-5	0.018	0.930	0.000	0.525
5-6	0.025	0.986	0.000	0.558
6-7	0.025	1.072	0.000	0.570

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	5.921	7.153	3.9
1-2	9.291	10.648	4.4
2-3	9.408	10.886	4.1
3-4	9.516	10.980	3.8
4-5	7.209	8.681	3.1
5-6	6.542	8.110	2.6
6-7	6.205	7.872	2.3

Multiple Runs: NO. 4 Medium: Soil (mg/kg)

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: Without Veolia Emissions

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INPUT VARIABLES
****

****** Air ******

Age	Conc (µg Pb/m³)
.5-1	0.027
1-2	0.027
2-3	0.027
3-4	0.027
4-5	0.027
5-6	0.027
6-7	0.027

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m³/day)	Lung Absorption (%)
.5-1	1.000	2.000	32.000
1-2	2.000	3.000	32.000
2-3	3.000	5.000	32.000
3-4	4.000	5.000	32.000
4-5	4.000	5.000	32.000
5-6	4.000	7.000	32.000
6-7	4.000	7.000	32.000

****** Diet ******

Age	Diet Intake (µg Pb/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 2.000 µg Pb/L

****** Soil& Dust ******

Multiple Source Analysis Used
Average multiple source concentration: 282.700 µg/g

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: Without Veolia Emissions

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (ug Pb/g)
.5-1	400.000	282.700
1-2	400.000	282.700
2-3	400.000	282.700
3-4	400.000	282.700
4-5	400.000	282.700
5-6	400.000	282.700
6-7	400.000	282.700

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

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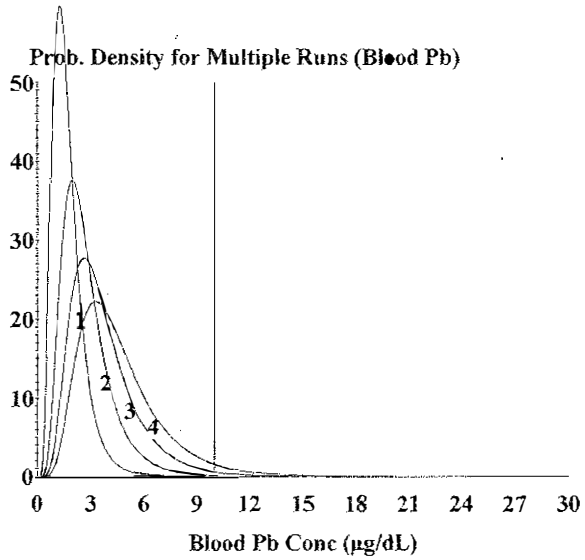
CALCULATED BLOOD LEAD AND LEAD UPTAKES:

****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.006	1.020	0.000	0.181
1-2	0.009	0.870	0.000	0.444
2-3	0.017	0.961	0.000	0.469
3-4	0.018	0.933	0.000	0.485
4-5	0.018	0.918	0.000	0.518
5-6	0.025	0.976	0.000	0.552
6-7	0.025	1.062	0.000	0.565

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	7.722	8.928	4.8
1-2	12.067	13.391	5.5
2-3	12.259	13.706	5.1
3-4	12.434	13.870	4.8
4-5	9.479	10.933	3.9
5-6	8.622	10.175	3.3
6-7	8.189	9.841	2.9

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: Without Veolia Emissions

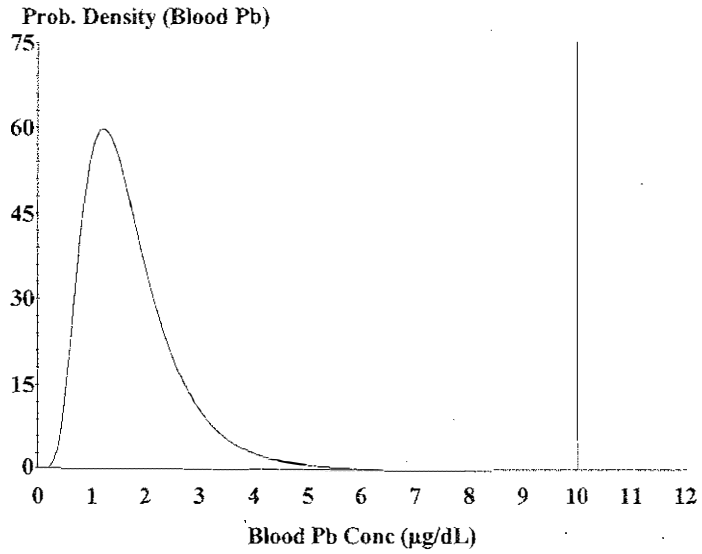


Cutoff = 10.000 µg/dl
GSD = 1.600

Media Choice = SOIL
Age Range = 0 to 84 months
Run Mode = Research

Run #	% Above	% Below	Concentration
1	0.004	99.996	100.000
2	0.167	99.833	200.000
3	1.109	98.891	300.000
4	3.510	96.490	400.000

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: Without Veolia Emissions

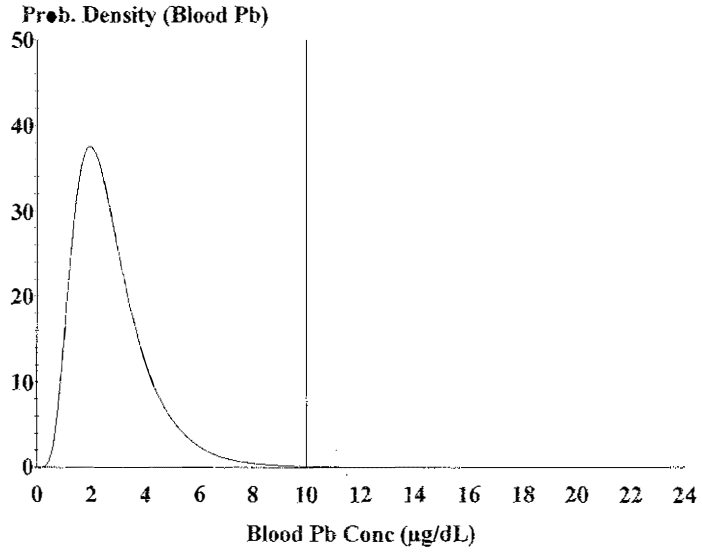


Cutoff = 10.000 µg/dl
Geo Mean = 1.583
GSD = 1.600
% Above = 0.004
% Below = 99.996

Age Range = 0 to 84 months

Run Mode = Research

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: Without Veolia Emissions

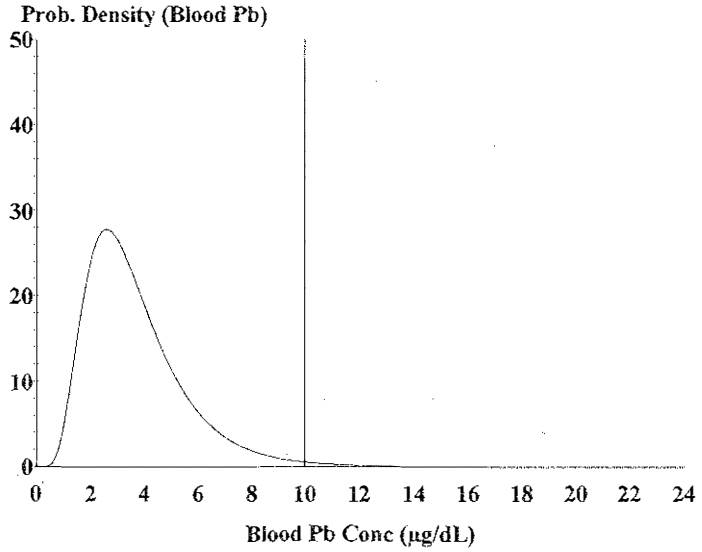


Cutoff = 10.000 µg/dl
Geo Mean = 2.519
GSD = 1.600
% Above = 0.167
% Below = 99.833

Age Range = 0 to 84 months

Run Mode = Research

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: Without Veolia Emissions

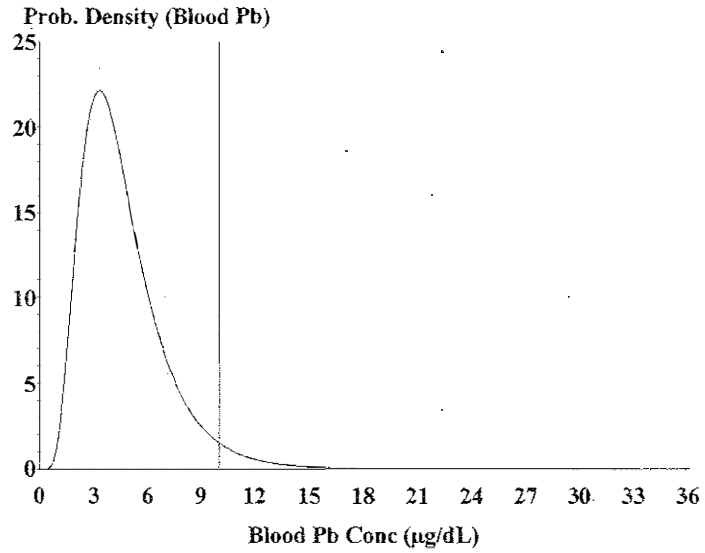


Cutoff = 10.000 µg/dl
Geo Mean = 3.413
GSD = 1.600
% Above = 1.109
% Below = 98.891

Age Range = 0 to 84 months

Run Mode = Research

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: Without Veolia Emissions



Cutoff = 10.000 µg/dl
Geo Mean = 4.270
GSD = 1.600
% Above = 3.510
% Below = 96.490

Age Range = 0 to 84 months

Run Mode = Research

Model Version: 1.1 Build11
User Name: Christopher Lambesis, U.S. EPA
Date: July 17, 2019
Site Name: Veolia ES Technical Solutions, L.L.C.
Operable Unit: Incinerator Units 2, 3, and 4
Run Mode: With Veolia Emissions

Multiple Runs: NO. 1 Medium: Soil (mg/kg)

INPUT VARIABLES

****** Air ******

Age	Conc (µg Pb/m³)
.5-1	0.027
1-2	0.027
2-3	0.027
3-4	0.027
4-5	0.027
5-6	0.027
6-7	0.027

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m³/day)	Lung Absorption (%)
.5-1	1.000	2.000	32.000
1-2	2.000	3.000	32.000
2-3	3.000	5.000	32.000
3-4	4.000	5.000	32.000
4-5	4.000	5.000	32.000
5-6	4.000	7.000	32.000
6-7	4.000	7.000	32.000

****** Diet ******

Age	Diet Intake (µg Pb/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520

3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 2.000 µg Pb/L

****** Soil& Dust ******

Multiple Source Analysis Used
Average multiple source concentration: 72.723 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (ug Pb/g)
.5-1	100.000	72.723
1-2	100.000	72.723
2-3	100.000	72.723
3-4	100.000	72.723
4-5	100.000	72.723
5-6	100.000	72.723
6-7	100.000	72.723

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

****
CALCULATED BLOOD LEAD AND LEAD UPTAKES:
****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.006	1.088	0.000	0.193
1-2	0.009	0.940	0.000	0.480
2-3	0.017	1.027	0.000	0.502
3-4	0.018	0.989	0.000	0.514
4-5	0.018	0.954	0.000	0.538
5-6	0.025	1.006	0.000	0.569
6-7	0.025	1.091	0.000	0.580

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	2.086	3.372	1.8
1-2	3.303	4.733	2.0

2-3	3.321	4.867	1.8
3-4	3.339	4.860	1.7
4-5	2.495	4.006	1.4
5-6	2.253	3.854	1.2
6-7	2.131	3.828	1.1

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Multiple Runs: NO. 2 Medium: Soil (mg/kg)

****
INPUT VARIABLES
****

****** Air ******

Age	Conc (µg Pb/m³)
.5-1	0.027
1-2	0.027
2-3	0.027
3-4	0.027
4-5	0.027
5-6	0.027
6-7	0.027

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m³/day)	Lung Absorption (%)
.5-1	1.000	2.000	32.000
1-2	2.000	3.000	32.000
2-3	3.000	5.000	32.000
3-4	4.000	5.000	32.000
4-5	4.000	5.000	32.000
5-6	4.000	7.000	32.000
6-7	4.000	7.000	32.000

****** Diet ******

Age	Diet Intake (µg Pb/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580

6-7 0.590

Drinking Water Concentration: 2.000 µg Pb/L

****** Soil& Dust ******

Multiple Source Analysis Used
Average multiple source concentration: 142.723 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (ug Pb/g)
.5-1	200.000	142.723
1-2	200.000	142.723
2-3	200.000	142.723
3-4	200.000	142.723
4-5	200.000	142.723
5-6	200.000	142.723
6-7	200.000	142.723

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

****
CALCULATED BLOOD LEAD AND LEAD UPTAKES:
****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.006	1.064	0.000	0.188
1-2	0.009	0.916	0.000	0.467
2-3	0.017	1.004	0.000	0.490
3-4	0.018	0.970	0.000	0.504
4-5	0.018	0.942	0.000	0.531
5-6	0.025	0.996	0.000	0.563
6-7	0.025	1.082	0.000	0.575

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	4.045	5.303	2.9
1-2	6.375	7.767	3.2
2-3	6.433	7.944	3.0
3-4	6.488	7.979	2.8
4-5	4.882	6.374	2.3

5-6	4.420	6.004	1.9	**Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois**
6-7	4.187	5.869	1.7	**Run Mode: With Veolia Emissions**

==========

Multiple Runs: NO. 3 Medium: Soil (mg/kg)

****
INPUT VARIABLES
****

****** Air ******

Age	Conc (µg Pb/m³)
.5-1	0.027
1-2	0.027
2-3	0.027
3-4	0.027
4-5	0.027
5-6	0.027
6-7	0.027

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m³/day)	Lung Absorption (%)
.5-1	1.000	2.000	32.000
1-2	2.000	3.000	32.000
2-3	3.000	5.000	32.000
3-4	4.000	5.000	32.000
4-5	4.000	5.000	32.000
5-6	4.000	7.000	32.000
6-7	4.000	7.000	32.000

****** Diet ******

Age	Diet Intake (µg Pb/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 2.000 µg Pb/L

****** Soil& Dust ******

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: With Veolia Emissions

Multiple Source Analysis Used
Average multiple source concentration: 212.723 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (ug Pb/g)
.5-1	300.000	212.723
1-2	300.000	212.723
2-3	300.000	212.723
3-4	300.000	212.723
4-5	300.000	212.723
5-6	300.000	212.723
6-7	300.000	212.723

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

****

CALCULATED BLOOD LEAD AND LEAD UPTAKES:

****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.006	1.041	0.000	0.184
1-2	0.009	0.892	0.000	0.455
2-3	0.017	0.982	0.000	0.479
3-4	0.018	0.951	0.000	0.494
4-5	0.018	0.930	0.000	0.525
5-6	0.025	0.986	0.000	0.558
6-7	0.025	1.072	0.000	0.570

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	5.922	7.153	3.9
1-2	9.292	10.648	4.4
2-3	9.409	10.887	4.1
3-4	9.517	10.980	3.8
4-5	7.209	8.682	3.1
5-6	6.542	8.111	2.6
6-7	6.205	7.873	2.3

Multiple Runs: NO. 4 Medium: Soil (mg/kg)

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: With Veolia Emissions

****
INPUT VARIABLES
****

****** Air ******

Age	Conc (µg Pb/m³)
.5-1	0.027
1-2	0.027
2-3	0.027
3-4	0.027
4-5	0.027
5-6	0.027
6-7	0.027

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m³/day)	Lung Absorption (%)
.5-1	1.000	2.000	32.000
1-2	2.000	3.000	32.000
2-3	3.000	5.000	32.000
3-4	4.000	5.000	32.000
4-5	4.000	5.000	32.000
5-6	4.000	7.000	32.000
6-7	4.000	7.000	32.000

****** Diet ******

Age	Diet Intake (µg Pb/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 2.000 µg Pb/L

****** Soil& Dust ******

Multiple Source Analysis Used
Average multiple source concentration: 282.723 µg/g

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: With Veolia Emissions

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (ug Pb/g)
.5-1	400.000	282.723
1-2	400.000	282.723
2-3	400.000	282.723
3-4	400.000	282.723
4-5	400.000	282.723
5-6	400.000	282.723
6-7	400.000	282.723

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

****

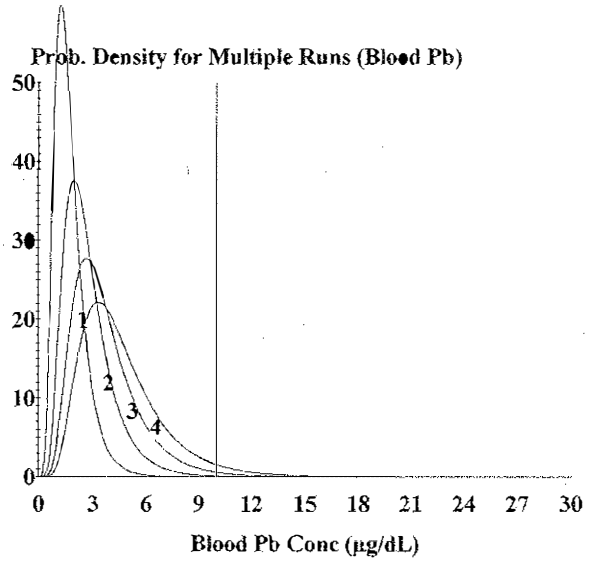
CALCULATED BLOOD LEAD AND LEAD UPTAKES:

****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.006	1.020	0.000	0.181
1-2	0.009	0.870	0.000	0.444
2-3	0.017	0.961	0.000	0.469
3-4	0.018	0.933	0.000	0.485
4-5	0.018	0.918	0.000	0.518
5-6	0.025	0.976	0.000	0.552
6-7	0.025	1.062	0.000	0.565

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	7.722	8.928	4.8
1-2	12.067	13.391	5.5
2-3	12.259	13.706	5.1
3-4	12.434	13.871	4.8
4-5	9.479	10.933	3.9
5-6	8.622	10.175	3.3
6-7	8.189	9.841	2.9

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: With Veolia Emissions

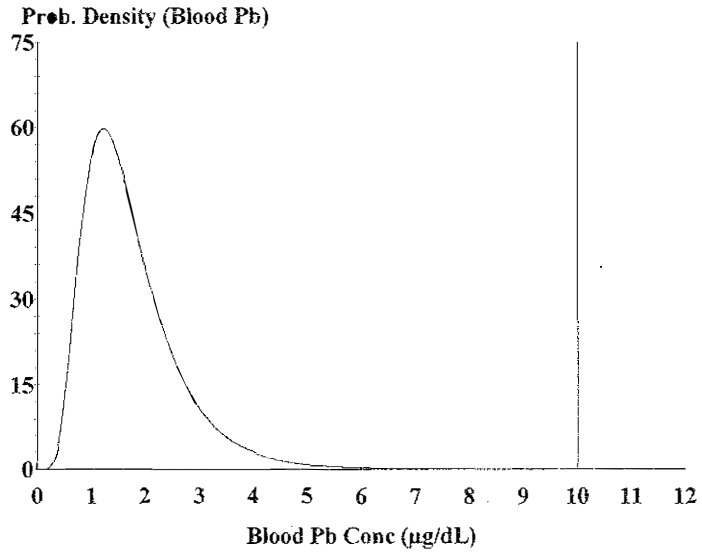


Cutoff = 10.000 µg/dl
GSD = 1.600

Media Choice = SOIL
Age Range = 0 to 84 months
Run Mode = Research

Run #	% Above	% Below	Concentration
1	0.004	99.996	100.000
2	0.168	99.832	200.000
3	1.110	98.890	300.000
4	3.511	96.489	400.000

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: With Veolia Emissions

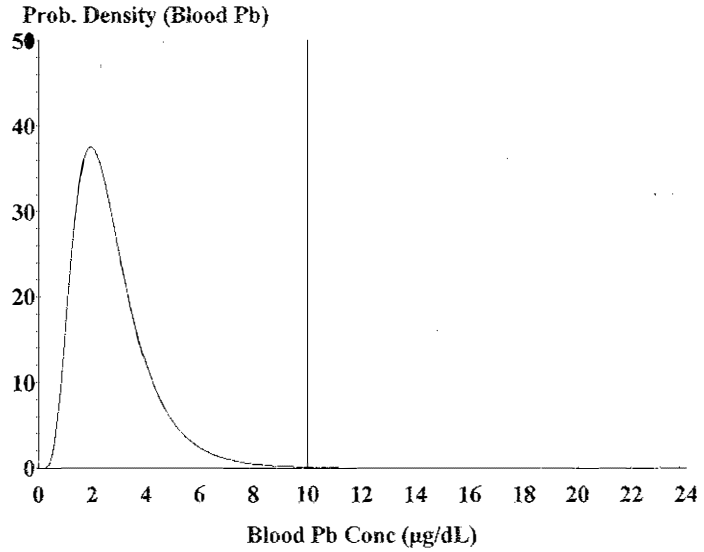


Cutoff = 10.000 µg/dl
Geo Mean = 1.583
GSD = 1.600
% Above = 0.004
% Below = 99.996

Age Range = 0 to 84 months

Run Mode = Research

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: With Veolia Emissions

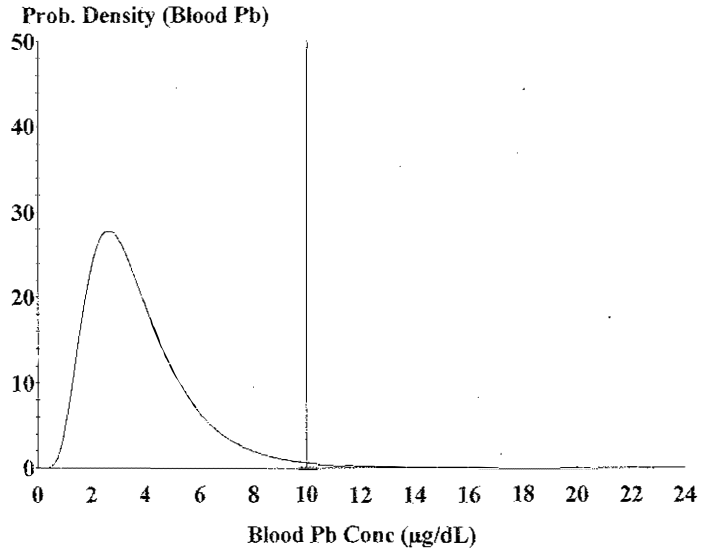


Cutoff = 10.000 µg/dl
Geo Mean = 2.519
GSD = 1.600
% Above = 0.168
% Below = 99.832

Age Range = 0 to 84 months

Run Mode = Research

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: With Veolia Emissions

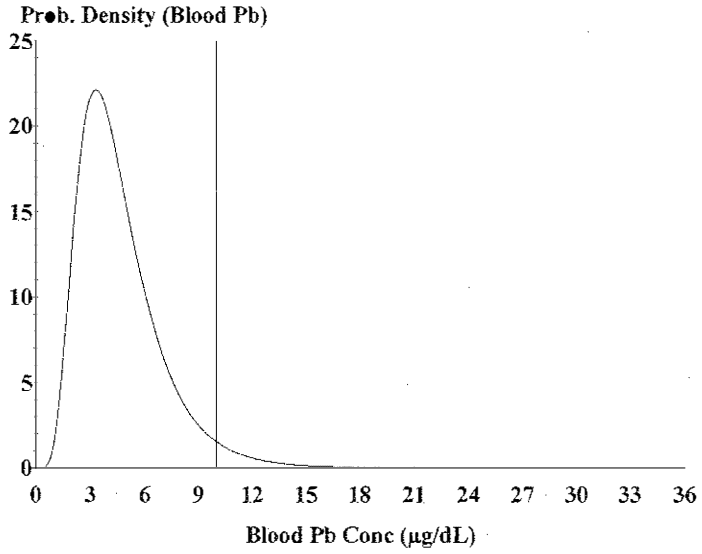


Cutoff = 10.000 µg/dl
Geo Mean = 3.413
GSD = 1.600
% Above = 1.110
% Below = 98.890

Age Range = 0 to 84 months

Run Mode = Research

Site Name: Veolia ES Technical Solutions, L.L.C., Sauget, Illinois
Run Mode: With Veolia Emissions



Cutoff = 10.000 µg/dl
Geo Mean = 4.270
GSD = 1.600
% Above = 3.511
% Below = 96.489

Age Range = 0 to 84 months

Run Mode = Research