MIGRATEv10

Version 10.00

GAEA Technologies Ltd., R.K. Rowe and J.R. Booker

Case 13: Failure of Leachate Collection System #VAR

Variable Properties with Time

Group	Start Time	End Time	Increments
1	0 year	2 year	1
2	2 year	4 year	1
3	4 year	6 year	1
4	6 year	8 year	1
5	8 year	10 year	1
6	10 year	50 year	1
7	50 year	54 year	1
8	54 year	58 year	1
9	58 year	62 year	1
10	62 year	66 year	1
11	66 year	70 year	1
12	70 year	100 year	1

Time Group 1

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	300 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3

Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 2

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	600 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 3

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1

Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	900 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 4

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	1200 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 5

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	1500 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 6

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	5.721E-5 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	1500 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a

Base Integration Width	1200 m

Time Group 7

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	0.0024 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	0.0024 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	1500 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 8

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	0.0047 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	0.0047 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m

Initial Concentration	1500 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 9

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	0.007 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	0.007 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	1500 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 10

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	0.0093 m/a	0 m/a	0 m/a	0 mg/L

Layer 2	0.02 m²/a	0.02 m²/a	0.0093 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	1500 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 11

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	0.0116 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	0.0116 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	1500 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Time Group 12

Layer Properties

Layer	Thickness	Sublayers	Dry Density	Porosity	Distribution Coefficient	Half-Life
Layer 1	60 mil	1	0.95 g/cm³	1	0 mL/g	0 year
Layer 2	0.9 m	10	1.9 g/cm³	0.35	0.5 mL/g	0 year

Layer	Vertical Diffusion	Horizontal Diffusion	Vertical Velocity	Horizontal Velocity	Sink Removal	Concentration
Layer 1	3E-5 m²/a	3E-5 m²/a	0.0116 m/a	0 m/a	0 m/a	0 mg/L
Layer 2	0.02 m²/a	0.02 m²/a	0.0116 m/a	0 m/a	0 m/a	0 mg/L

Boundary Conditions

Constant Concentration Top Boundary

	Cell 1
Offset	0 m
Surface Width	200 m
Base Width	200 m
Initial Concentration	1500 µg/L

Aquifer Bottom Boundary

Base Thickness	3 m
Base Half-Life	0 year
Base Porosity	0.3
Sink Removal	0 m/a
Outflow Velocity	10 m/a
Dispersion Coefficient	10 m²/a
Base Integration Width	1200 m

Laplace Transform Parameters

TAU	7
N	11
SIG	0
RNU	1

Gauss Integration Parameters

Integration Level	Fine
Subinterval Size	0.025
Number of Subintervals	48
Number of Sample Points per Step	0
Total Width of Integration	1.2
Total Number of Integration Points	1920

Calculated Concentrations at Selected Depths, Lateral Distances and Times

Time year	Distance m	Depth m	Concentration µg/L
2	0	0.00000E+00	2.98697E+02
		1.52400E-03	7.73264E+01

		9.15240E-02	3.32345E+01
		1.81524E-01	1.09839E+01
		2.71524E-01	2.71520E+00
		3.61524E-01	4.91766E-01
		4.51524E-01	6.42753E-02
		5.41524E-01	5.99567E-03
		6.31524E-01	3.95895E-04
		7.21524E-01	1.83911E-05
		8.11524E-01	5.98188E-07
		9.01524E-01	7.80998E-10
2	100	0.00000E+00	1.49869E+02
		1.52400E-03	3.87973E+01
		9.15240E-02	1.66747E+01
		1.81524E-01	5.51089E+00
		2.71524E-01	1.36228E+00
		3.61524E-01	2.46729E-01
		4.51524E-01	3.22482E-02
		5.41524E-01	3.00814E-03
		6.31524E-01	1.98628E-04
		7.21524E-01	9.22713E-06
		8.11524E-01	3.00137E-07
		9.01524E-01	6.57923E-10

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.96729E+03	1.51902E-07	1.01396E-12	1.51899E-07

Time year	Distance m	Depth m	Concentration µg/L
4	0	0.00000E+00	5.97393E+02
		1.52400E-03	1.77261E+02
		9.15240E-02	9.01024E+01
		1.81524E-01	3.94529E+01
		2.71524E-01	1.51297E+01
		3.61524E-01	5.16801E+00
		4.51524E-01	1.57489E+00
		5.41524E-01	4.21994E-01
		6.31524E-01	9.75824E-02
		7.21524E-01	1.92024E-02
		8.11524E-01	3.14608E-03
		9.01524E-01	5.15814E-05
4	100	0.00000E+00	2.99738E+02

		1.52400E-03	8.89372E+01
		9.15240E-02	4.52064E+01
		1.81524E-01	1.97941E+01
		2.71524E-01	7.59072E+00
		3.61524E-01	2.59282E+00
		4.51524E-01	7.90126E-01
		5.41524E-01	2.11714E-01
		6.31524E-01	4.89568E-02
		7.21524E-01	9.63401E-03
		8.11524E-01	1.58094E-03
		9.01524E-01	4.95228E-05

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
5.62770E+03	9.27703E-03	-5.46188E-08	9.28387E-03

Time year	Distance m	Depth m	Concentration µg/L
6	0	0.00000E+00	8.96090E+02
		1.52400E-03	2.92221E+02
		9.15240E-02	1.63776E+02
		1.81524E-01	8.28402E+01
		2.71524E-01	3.84773E+01
		3.61524E-01	1.65893E+01
		4.51524E-01	6.63086E+00
		5.41524E-01	2.43972E+00
		6.31524E-01	8.21176E-01
		7.21524E-01	2.51216E-01
		8.11524E-01	6.67187E-02
		9.01524E-01	2.79559E-03
6	100	0.00000E+00	4.49606E+02
		1.52400E-03	1.46615E+02
		9.15240E-02	8.21690E+01
		1.81524E-01	4.15615E+01
		2.71524E-01	1.93041E+01
		3.61524E-01	8.32273E+00
		4.51524E-01	3.32662E+00
		5.41524E-01	1.22397E+00
		6.31524E-01	4.11984E-01
		7.21524E-01	1.26094E-01
		8.11524E-01	3.37596E-02

		9.01524E-01	2.73762E-03

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.08365E+04	4.90114E-01	4.20668E-07	5.03399E-01

Time year	Distance m	Depth m	Concentration µg/L
8	0	0.00000E+00	1.19479E+03
		1.52400E-03	4.18463E+02
		9.15240E-02	2.50436E+02
		1.81524E-01	1.38688E+02
		2.71524E-01	7.21360E+01
		3.61524E-01	3.54936E+01
		4.51524E-01	1.64945E+01
		5.41524E-01	7.20760E+00
		6.31524E-01	2.94951E+00
		7.21524E-01	1.12011E+00
		8.11524E-01	3.69094E-01
		9.01524E-01	2.52843E-02
8	100	0.00000E+00	5.99475E+02
		1.52400E-03	2.09953E+02
		9.15240E-02	1.25647E+02
		1.81524E-01	6.95797E+01
		2.71524E-01	3.61900E+01
		3.61524E-01	1.78065E+01
		4.51524E-01	8.27491E+00
		5.41524E-01	3.61601E+00
		6.31524E-01	1.48020E+00
		7.21524E-01	5.63324E-01
		8.11524E-01	1.89114E-01
		9.01524E-01	2.52712E-02

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.74915E+04	3.98340E+00	4.54792E-06	4.61512E+00

Time year	Distance m	Depth m	Concentration µg/L
10	0	0.00000E+00	1.49348E+03
		1.52400E-03	5.53720E+02
		9.15240E-02	3.47644E+02
		1.81524E-01	2.05113E+02
		2.71524E-01	1.15172E+02

		3.61524E-01	6.18601E+01
		4.51524E-01	3.17331E+01
		5.41524E-01	1.54956E+01
		6.31524E-01	7.17329E+00
		7.21524E-01	3.10649E+00
		8.11524E-01	1.15981E+00
		9.01524E-01	1.07222E-01
10	100	0.00000E+00	7.49344E+02
		1.52400E-03	2.77813E+02
		9.15240E-02	1.74415E+02
		1.81524E-01	1.02904E+02
		2.71524E-01	5.77800E+01
		3.61524E-01	3.10337E+01
		4.51524E-01	1.59199E+01
		5.41524E-01	7.77510E+00
		6.31524E-01	3.60281E+00
		7.21524E-01	1.56834E+00
		8.11524E-01	6.04756E-01
		9.01524E-01	1.12739E-01

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
2.55134E+04	1.49970E+01	1.67094E-05	2.05191E+01

Time year	Distance m	Depth m	Concentration µg/L
50	0	0.00000E+00	1.49348E+03
		1.52400E-03	9.81722E+02
		9.15240E-02	8.54873E+02
		1.81524E-01	7.34454E+02
		2.71524E-01	6.21315E+02
		3.61524E-01	5.15900E+02
		4.51524E-01	4.18225E+02
		5.41524E-01	3.27882E+02
		6.31524E-01	2.44063E+02
		7.21524E-01	1.65606E+02
		8.11524E-01	9.10577E+01
		9.01524E-01	1.87544E+01
50	100	0.00000E+00	7.49344E+02
		1.52400E-03	4.94050E+02
		9.15240E-02	4.30888E+02
		1.81524E-01	3.71203E+02

		2.71524E-01	3.15478E+02
		3.61524E-01	2.64003E+02
		4.51524E-01	2.16862E+02
		5.41524E-01	1.73933E+02
		6.31524E-01	1.34891E+02
		7.21524E-01	9.92310E+01
		8.11524E-01	6.62898E+01
		9.01524E-01	3.52760E+01

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.28637E+05	1.80179E+04	1.20230E+03	1.44349E+04

Time year	Distance m	Depth m	Concentration µg/L
54	0	0.00000E+00	1.49348E+03
		1.52400E-03	1.01178E+03
		9.15240E-02	8.84751E+02
		1.81524E-01	7.63701E+02
		2.71524E-01	6.49637E+02
		3.61524E-01	5.42834E+02
		4.51524E-01	4.43070E+02
		5.41524E-01	3.49804E+02
		6.31524E-01	2.62217E+02
		7.21524E-01	1.79151E+02
		8.11524E-01	9.90681E+01
		9.01524E-01	2.01698E+01
54	100	0.00000E+00	7.49344E+02
		1.52400E-03	5.09600E+02
		9.15240E-02	4.46503E+02
		1.81524E-01	3.86679E+02
		2.71524E-01	3.30706E+02
		3.61524E-01	2.78811E+02
		4.51524E-01	2.30978E+02
		5.41524E-01	1.86998E+02
		6.31524E-01	1.46452E+02
		7.21524E-01	1.08691E+02
		8.11524E-01	7.28787E+01
		9.01524E-01	3.81222E+01

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.39051E+05	2.67659E+03	6.41492E+02	1.63414E+04

Time year	Distance m	Depth m	Concentration µg/L
58	0	0.00000E+00	1.49348E+03
		1.52400E-03	1.04696E+03
		9.15240E-02	9.21449E+02
		1.81524E-01	8.00367E+02
		2.71524E-01	6.85148E+02
		3.61524E-01	5.76329E+02
		4.51524E-01	4.73796E+02
		5.41524E-01	3.77011E+02
		6.31524E-01	2.85079E+02
		7.21524E-01	1.96676E+02
		8.11524E-01	1.09954E+02
		9.01524E-01	2.25849E+01
58	100	0.00000E+00	7.49344E+02
		1.52400E-03	5.27693E+02
		9.15240E-02	4.65521E+02
		1.81524E-01	4.05865E+02
		2.71524E-01	3.49520E+02
		3.61524E-01	2.96842E+02
		4.51524E-01	2.47856E+02
		5.41524E-01	2.02328E+02
		6.31524E-01	1.59778E+02
		7.21524E-01	1.19494E+02
		8.11524E-01	8.06314E+01
		9.01524E-01	4.23479E+01

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.51330E+05	3.16464E+03	7.94344E+02	1.84330E+04

Time year	Distance m	Depth m	Concentration µg/L
62	0	0.00000E+00	1.49348E+03
		1.52400E-03	1.08507E+03
		9.15240E-02	9.62640E+02
		1.81524E-01	8.42629E+02
		2.71524E-01	7.26853E+02
		3.61524E-01	6.16168E+02
		4.51524E-01	5.10674E+02
		5.41524E-01	4.09916E+02
		6.31524E-01	3.12941E+02

		7.21524E-01	2.18207E+02
		8.11524E-01	1.23442E+02
		9.01524E-01	2.56532E+01
62	100	0.00000E+00	7.49344E+02
		1.52400E-03	5.47190E+02
		9.15240E-02	4.86719E+02
		1.81524E-01	4.27762E+02
		2.71524E-01	3.71305E+02
		3.61524E-01	3.17867E+02
		4.51524E-01	2.67587E+02
		5.41524E-01	2.20297E+02
		6.31524E-01	1.75527E+02
		7.21524E-01	1.32524E+02
		8.11524E-01	9.03400E+01
		9.01524E-01	4.79582E+01

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.65496E+05	3.76231E+03	9.50598E+02	2.08273E+04

Time year	Distance m	Depth m	Concentration µg/L
66	0	0.00000E+00	1.49348E+03
		1.52400E-03	1.12465E+03
		9.15240E-02	1.00675E+03
		1.81524E-01	8.89072E+02
		2.71524E-01	7.73671E+02
		3.61524E-01	6.61679E+02
		4.51524E-01	5.53408E+02
		5.41524E-01	4.48496E+02
		6.31524E-01	3.45938E+02
		7.21524E-01	2.43942E+02
		8.11524E-01	1.39720E+02
		9.01524E-01	2.94320E+01
66	100	0.00000E+00	7.49344E+02
		1.52400E-03	5.67323E+02
		9.15240E-02	5.09266E+02
		1.81524E-01	4.51619E+02
		2.71524E-01	3.95504E+02
		3.61524E-01	3.41589E+02
		4.51524E-01	2.90142E+02
		5.41524E-01	2.41082E+02

		6.31524E-01	1.93967E+02
		7.21524E-01	1.47987E+02
		8.11524E-01	1.02050E+02
		9.01524E-01	5.49001E+01

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.81596E+05	4.47787E+03	1.11705E+03	2.36376E+04

Time year	Distance m	Depth m	Concentration µg/L
70	0	0.00000E+00	1.49348E+03
		1.52400E-03	1.16455E+03
		9.15240E-02	1.05250E+03
		1.81524E-01	9.38428E+02
		2.71524E-01	8.24508E+02
		3.61524E-01	7.12036E+02
		4.51524E-01	6.01475E+02
		5.41524E-01	4.92523E+02
		6.31524E-01	3.84085E+02
		7.21524E-01	2.74052E+02
		8.11524E-01	1.58993E+02
		9.01524E-01	3.39931E+01
70	100	0.00000E+00	7.49344E+02
		1.52400E-03	5.87519E+02
		9.15240E-02	5.32508E+02
		1.81524E-01	4.76805E+02
		2.71524E-01	4.21589E+02
		3.61524E-01	3.67634E+02
		4.51524E-01	3.15315E+02
		5.41524E-01	2.64631E+02
		6.31524E-01	2.15156E+02
		7.21524E-01	1.66011E+02
		8.11524E-01	1.15922E+02
		9.01524E-01	6.33264E+01

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
1.99694E+05	5.31594E+03	1.27846E+03	2.70354E+04

Time year	Distance m	Depth m	Concentration µg/L
100	0	0.00000E+00	1.49348E+03
		1.52400E-03	1.28225E+03

		9.15240E-02	1.20763E+03
		1.81524E-01	1.12512E+03
		2.71524E-01	1.03435E+03
		3.61524E-01	9.34740E+02
		4.51524E-01	8.25340E+02
		5.41524E-01	7.04723E+02
		6.31524E-01	5.70841E+02
		7.21524E-01	4.20881E+02
		8.11524E-01	2.51111E+02
		9.01524E-01	5.67254E+01
100	100	0.00000E+00	7.49344E+02
		1.52400E-03	6.48844E+02
		9.15240E-02	6.13491E+02
		1.81524E-01	5.74758E+02
		2.71524E-01	5.32632E+02
		3.61524E-01	4.87020E+02
		4.51524E-01	4.37695E+02
		5.41524E-01	3.84241E+02
		6.31524E-01	3.25986E+02
		7.21524E-01	2.61934E+02
		8.11524E-01	1.90694E+02
		9.01524E-01	1.10400E+02

Total Mass into Soil	Total Mass into Base	Velocity Transport	Mass in Base -WY/2 to +WY/2
3.26437E+05	7.31503E+04	1.63494E+04	5.33217E+04