



# ESCI

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Thank you for your interest in the Environmental Software Consultants, Inc. (ESCI), SEVIEW Integrated Contaminant Transport and Fate Modeling System. This document includes sample reports and information not available on the SEVIEW web page. Information presented here includes example:

### **SESOIL Reports**

- ◆ Climatic Report
- ◆ Profile and Load Report
- ◆ Hydraulic Cycle Report.
- ◆ Pollutant Cycle Report

### **AT123D Reports**

- ◆ Point of Compliance
- ◆ Area Report
- ◆ Centerline Report

SEVIEW also contains tools used to create custom SESOIL and AT123D reports. A discussion regarding documentation of modeling activities is also provided.

### **SESOIL Reports**

SEVIEW automatically documents the results of the SESOIL model. The Climatic Report displays the climate input parameters. The Profile and Load Report displays the model configuration. Results of the SESOIL pollutant and hydrologic cycles submodels are presented in the Hydrologic and Pollutant Cycle reports. The pollutant cycle report contains several plots and tables that document the results of the SESOIL pollutant cycle. The report contains the mass fate, leachate concentration, and depth of contaminant migration plots. It also contains a profile of the SESOIL soil column. A mass balance table displays the mass and the percentage of the total input in each SESOIL process.

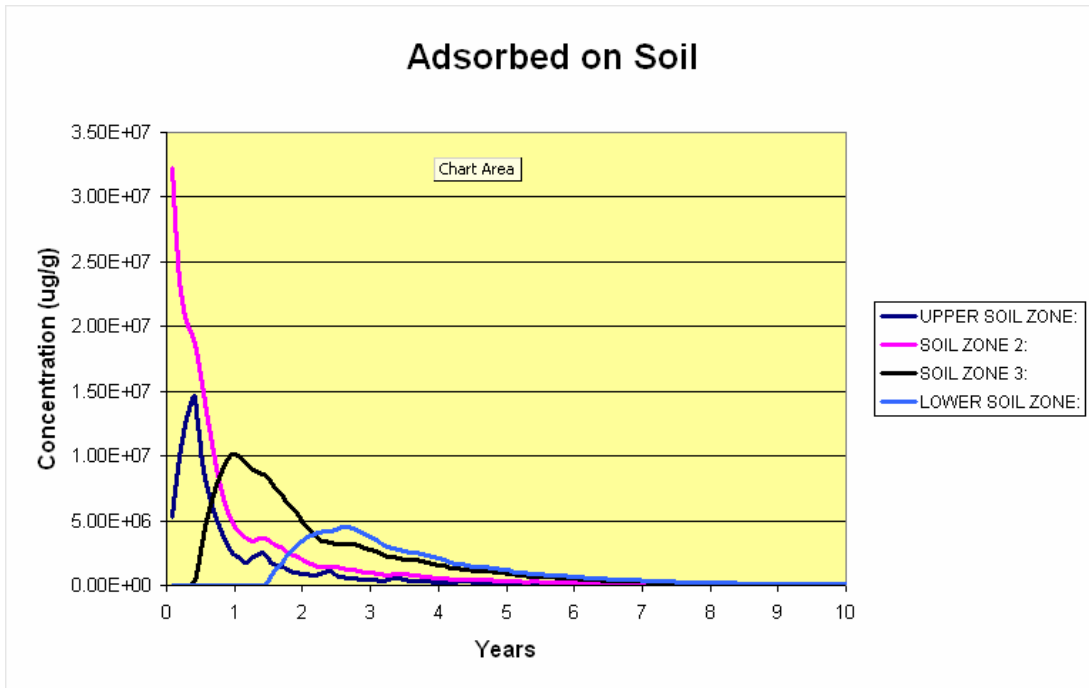
The Hydrologic Cycle Report contains two reports that display the distribution of precipitation between surface water runoff, net infiltration, groundwater recharge, evapotranspiration and soil moisture retention. This report also contains a table that summarizes the data including annual totals.

### **AT123D Reports**

SEVIEW provides three report options for AT123D results. The area and center line reports present animated results. Results may be printed at anytime step. AT123D results can also be presented as a Point of Compliance Report. This report presents trends in groundwater concentrations at a point such as a groundwater monitoring well or property boundary.

## Custom Graphs and Reports

Although SEVIEW produces detailed reports, these reports may not meet specific project requirements. To meet these objectives SEVIEW includes tools that can extract specific data from the model results. Extracted the information can be saved as a spreadsheet file. For example you can extract the concentration in soil moisture save the results as an Excel spreadsheet, and use Excel to plot the results. Graphs generated by the SEVIEW reports can be copied and inserted in to numerous programs including Microsoft Word and EXCEL. The graphs can then be modified to meet specific objectives.



## Documentation of Modeling Activities

Most programs provide little to no assistance regarding documentation of modeling activities. This means that users must summarize model results on their own. They must also maintain a database of modeling activities. Then additional time is often spent printing and copying input files.

SEVIEW creates a summary table of SESOIL modeling results. This table contains a description of the modeled scenario, the percentage of the mass in each of the SESOIL processes, a contaminant travel time to the water table, the maximum leachate concentration and associated infiltration rate, along with some of the chemical and soil properties used in the scenario. The summary table can be saved in numerous formats including EXCEL and Lotus.

Modeling documentation is further simplified maintaining a journal of modeling activities as you setup the models. The journal contains a list of all SESOIL and AT123D input files and can be saved as a spreadsheet file. The text file listing of model input files, is designed to be included as an appendix in the modeling report. SEVIEW also includes a command that copies all SESOIL and AT123D in the journal to a floppy disk. The input files on the floppy disk are designed to be included the modeling report so that the reviewer can duplicate the model results.

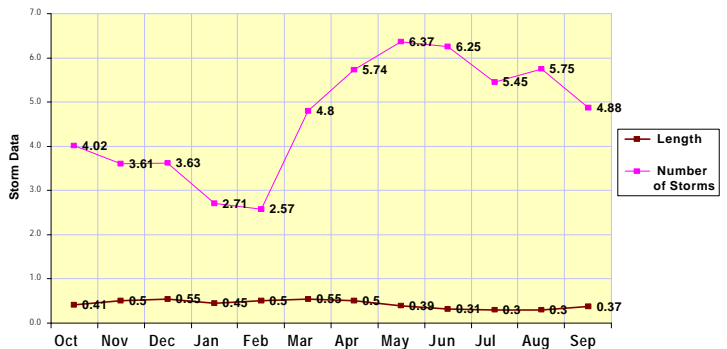
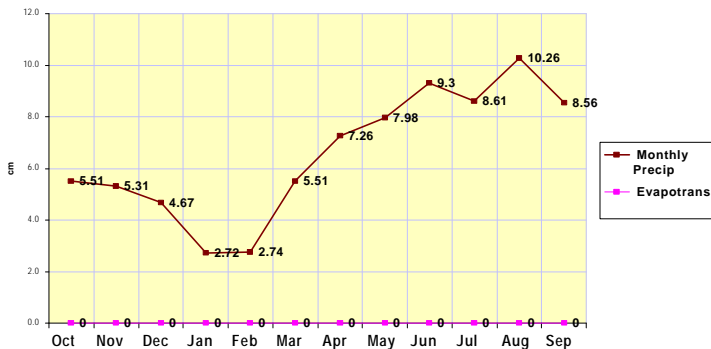
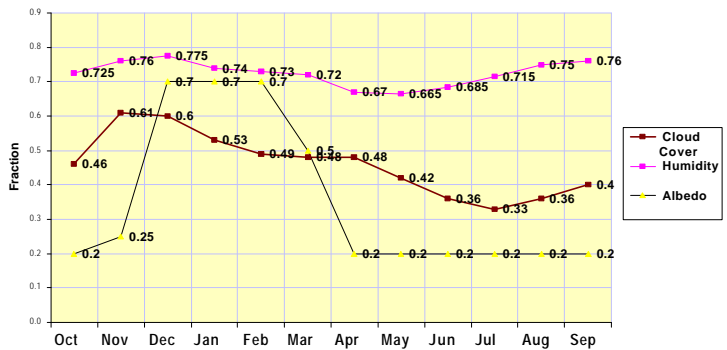
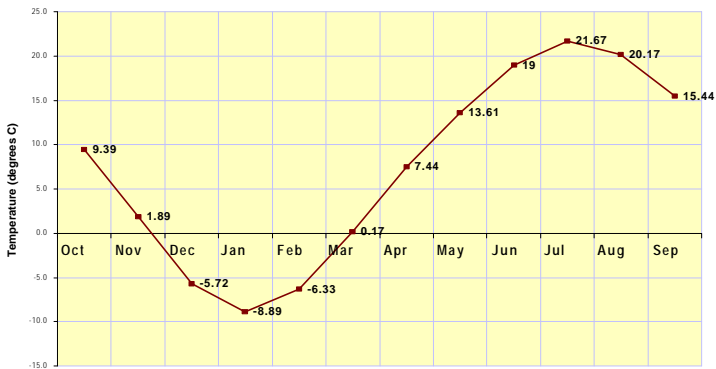


# Climate Report

Location Description: MADISON, DANE COUNTY AIRPORT

Climatic Input File: D:\SEATPRG7\MADISON.CLM

Month	Temperature		Precipitation		Evapotranspiration Rate		Storms		Cloud Cover	Albedo	Humidity	
	Units	°C	°F	cm	Inches	cm	Inches	# per Month	Length Days	Fraction	Fraction	Fraction
October		9.39	48.90	5.51	2.17	0.00	0.00	4.02	0.410	0.460	0.200	0.725
November		1.89	35.40	5.31	2.09	0.00	0.00	3.61	0.500	0.610	0.250	0.760
December		-5.72	21.70	4.67	1.84	0.00	0.00	3.63	0.550	0.600	0.700	0.775
January		-8.89	16.00	2.72	1.07	0.00	0.00	2.71	0.450	0.530	0.700	0.740
February		-6.33	20.61	2.74	1.08	0.00	0.00	2.57	0.500	0.490	0.700	0.730
March		0.17	32.31	5.51	2.17	0.00	0.00	4.80	0.550	0.480	0.500	0.720
April		7.44	45.39	7.26	2.86	0.00	0.00	5.74	0.500	0.480	0.200	0.670
May		13.61	56.50	7.98	3.14	0.00	0.00	6.37	0.390	0.420	0.200	0.665
June		19.00	66.20	9.30	3.66	0.00	0.00	6.25	0.310	0.360	0.200	0.685
July		21.67	71.01	8.61	3.39	0.00	0.00	5.45	0.300	0.330	0.200	0.715
August		20.17	68.31	10.26	4.04	0.00	0.00	5.75	0.300	0.360	0.200	0.750
September		15.44	59.79	8.56	3.37	0.00	0.00	4.88	0.370	0.400	0.200	0.760
Total				78.43	30.88	0.00	0.00					



# SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	1	200.0	6.56	1.00E-8	0.10	0.00	0.00	1.00	0.00	0.00	0.00
2	1	200.0	6.56	1.00E-8	0.10	0.00	0.00	1.00	0.00	0.00	0.00
3	1	300.0	9.84	1.00E-8	0.10	0.00	0.00	1.00	0.00	0.00	0.00
4	1	300.0	9.84	1.00E-8	0.10	0.00	0.00	1.00	0.00	0.00	0.00

### Soil Parameters

<b>Bulk Density</b> (g/cm <sup>3</sup> )	1.58
<b>Effective Porosity</b> (fraction)	0.25
<b>Soil Pore Disconnectedness</b>	4.00

### Chemical Parameters

<b>Water Solubility</b> ( $\mu\text{g/mL}$ )	5.10E+4	<b>Moles Ligand / Moles Chemical</b>	0.00
<b>Henry's Law</b> (M <sup>3</sup> -atm/mol)	5.87E-4	<b>Ligand Molecular Weight</b> (g/mol)	0.00
<b>K<sub>oc</sub></b> ( $\mu\text{g/g}/(\mu\text{g/mL})$ )	17.40	<b>Base Hydrolysis Rate</b> (L/mol/day)	0.00
<b>Valance</b> (g/mole)	0.00	<b>Ligand Dissociation Constant</b>	0.00
<b>Air Diffusion Coefficient</b> (cm <sup>2</sup> /sec)	.101	<b>Neutral Hydrolysis Rate</b> (L/mol/day)	0.00
<b>Water Diffusion Coefficient</b> (cm <sup>2</sup> /sec)	0.	<b>Acid Hydrolysis Rate</b> (L/mol/day)	0.00
<b>Molecular Weight</b> (g/mol)	88.20		

### Application Parameters

<b>Area</b>	cm <sup>2</sup>	1.00E+5
	ft <sup>2</sup>	107.64
<b>Latitude</b>	degrees	43.0
<b>Spill Index</b>		1

#### Output File:

D:\SEATPRG7\MTBE01.OUT

#### Chemical File: Methyl t-butyl ether (MTBE)

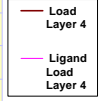
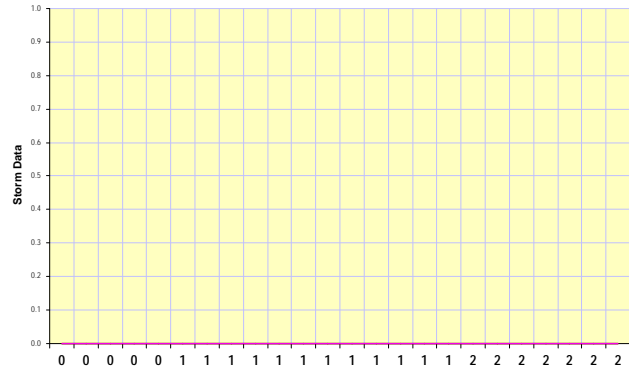
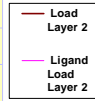
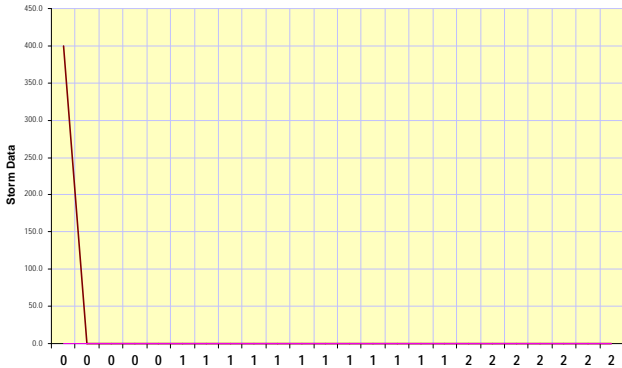
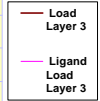
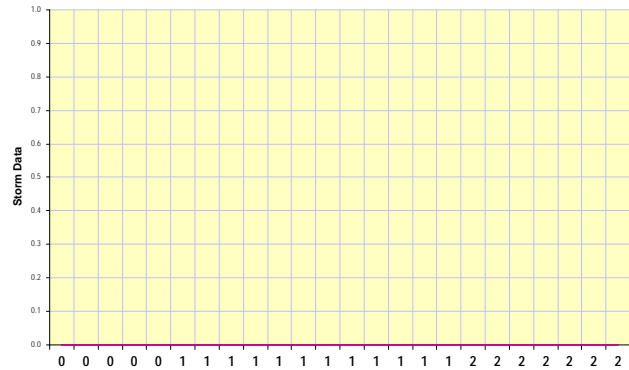
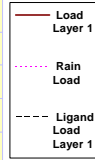
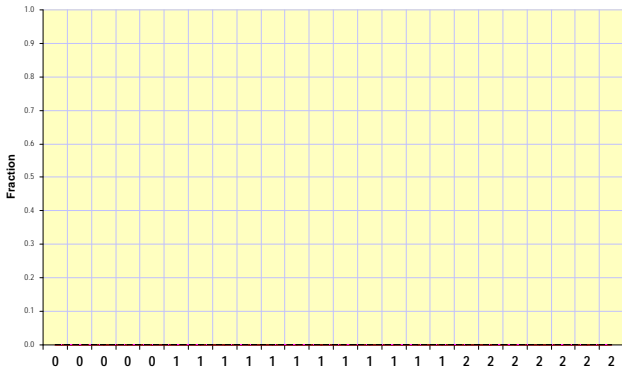
D:\SEATPRG7\MTBE.CHM

#### Soil File: Sand, Perm = 1.00E-3 cm/sec

D:\SEATPRG7\SAND.SOI

#### Application File: SEVIEW Default Application Parameters

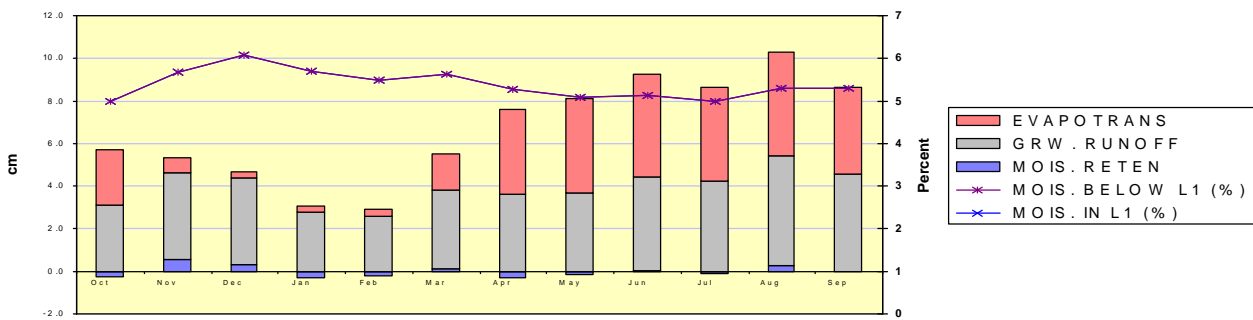
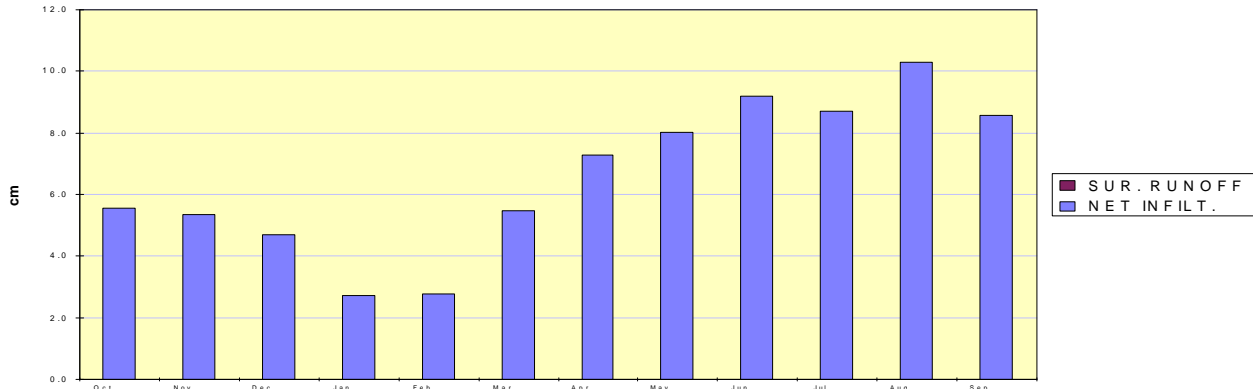
D:\SEATPRG7\DEFAULT.APL



# SESOIL Hydrologic Cycle Report

Scenario Description:

SESOIL Output File: D:\SEATPRG7\MTBE01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
October	0.00	0.00	5.51	2.17	2.63	1.04	-0.21	-0.08	3.09	1.22	5.00	5.00
November	0.00	0.00	5.32	2.09	0.71	0.28	0.56	0.22	4.05	1.59	5.68	5.68
December	0.00	0.00	4.69	1.85	0.30	0.12	0.33	0.13	4.05	1.59	6.08	6.08
January	0.00	0.00	2.76	1.09	0.30	0.12	-0.31	-0.12	2.77	1.09	5.70	5.70
February	0.00	0.00	2.72	1.07	0.30	0.12	-0.19	-0.07	2.60	1.02	5.48	5.48
March	0.00	0.00	5.52	2.17	1.69	0.67	0.13	0.05	3.70	1.46	5.63	5.63
April	0.00	0.00	7.32	2.88	4.00	1.57	-0.29	-0.11	3.61	1.42	5.28	5.28
May	0.00	0.00	7.93	3.12	4.43	1.74	-0.17	-0.07	3.68	1.45	5.08	5.08
June	0.00	0.00	9.24	3.64	4.81	1.89	0.04	0.02	4.39	1.73	5.13	5.13
July	0.00	0.00	8.55	3.37	4.41	1.74	-0.10	-0.04	4.24	1.67	5.00	5.00
August	0.00	0.00	10.30	4.06	4.87	1.92	0.25	0.10	5.17	2.04	5.30	5.30
September	0.00	0.00	8.62	3.39	4.03	1.59	0.00	0.00	4.59	1.81	5.30	5.30
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>78.47</b>	<b>30.89</b>	<b>32.49</b>	<b>12.79</b>	<b>0.04</b>	<b>0.02</b>	<b>45.94</b>	<b>18.09</b>		

# SESOIL Pollutant Cycle Report

## Scenario Description:

SESOIL Output File: D:\SEATPRG7\MTBE01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	4.423E+06	11.06
In Soil Air	4.416E-02	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	2.516E-01	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	4.860E-01	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	3.557E+07	88.93
<b>Total Output</b>	<b>3.999E+07</b>	<b>99.99</b>
<b>Total Input</b>	<b>4.000E+07</b>	
<b>Input - Output</b>	<b>3.003E+03</b>	

**Maximum leachate concentration: 6.536E+00 mg/l**

**Climate File:** MADISON, DANE COUNTY AIRPORT  
D:\SEATPRG7\MADISON.CLM

**Chemical File:** Methyl t-butyl ether (MTBE)  
D:\SEATPRG7\MTBE.CHM

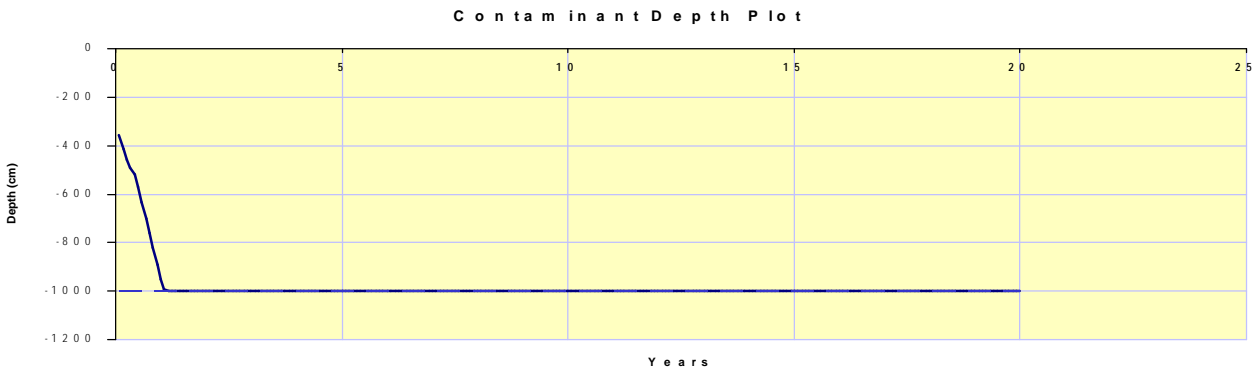
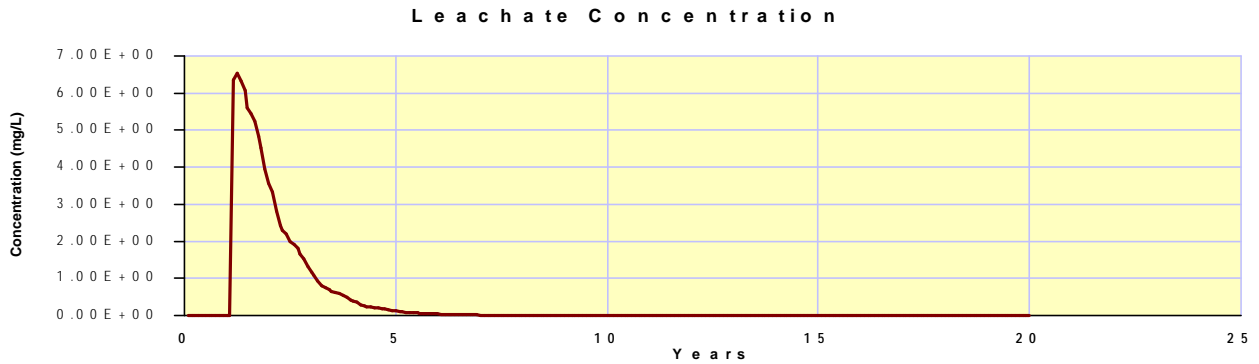
**Soil File:** Sand, Perm = 1.00E-3 cm/sec  
D:\SEATPRG7\SAND.SOI

**Application File:** SEVIEW Default Application Parameters  
D:\SEATPRG7\DEFAULT.APL

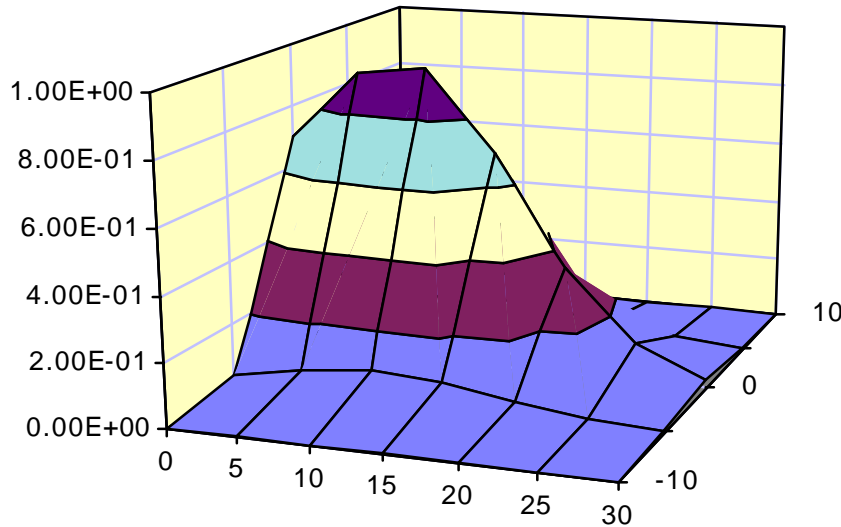
**Starting Depth:** 358.00 cm

**Ending Depth:** 1000.00 cm

**Total Depth:** 1000.00 cm



### Dissolved Concentrations in Plume



Depth (Z) = 0.00 meters, 0.00 feet.

Distribution in mg/l at 1825.00 days, 5.00 years.

Maximum concentration of 9.490E-01 mg/l (10.81 percent of the maximum concentration of 8.780E+00 mg/l).

Meters	0.00	5.00	10.00	15.00	20.00	25.00	30.00	
Feet	0.00	16.42	32.83	49.25	65.67	82.08	98.50	
-10.00	-32.83	4.940E-05	1.200E-04	1.840E-04	1.790E-04	1.120E-04	4.520E-05	1.200E-05
-5.00	-16.42	3.010E-02	6.980E-02	9.550E-02	8.170E-02	4.530E-02	1.660E-02	4.030E-03
0.00	0.00	7.010E-01	9.200E-01	9.490E-01	6.940E-01	3.490E-01	1.200E-01	2.790E-02
5.00	16.42	3.010E-02	6.980E-02	9.550E-02	8.170E-02	4.530E-02	1.660E-02	4.030E-03
10.00	32.83	4.940E-05	1.200E-04	1.840E-04	1.790E-04	1.120E-04	4.520E-05	1.200E-05

### AT123D INPUT PARAMETERS

Effective Porosity: 0.250  
 Hydraulic Gradient: .003000 m/m  
 Hydraulic Conductivity: 3.600E-02 m/hr 1.000E-03 cm/sec  
 Soil Bulk Density: 1.580E+03 kg/m<sup>3</sup> 1.580E+00 g/cm<sup>3</sup>  
 Aquifer Width: 0.000E+00 m 0.000E+00 ft  
 Aquifer Depth: 0.000E+00 m 0.000E+00 ft

Dispersivities	Meters	Feet
Longitudinal:	2.16	7.09
Lateral:	0.20	0.66
Vertical:	0.02	0.07

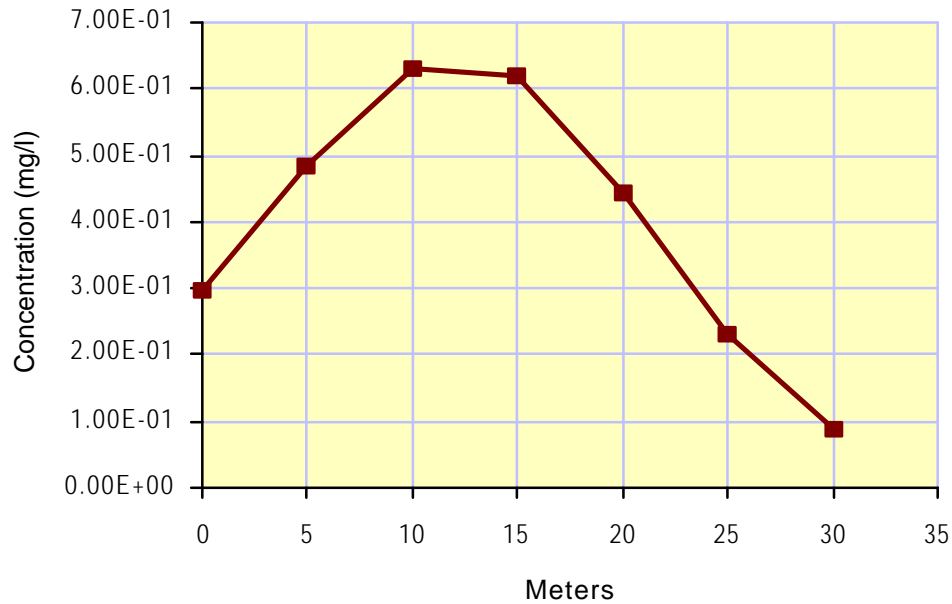
Distribution Coefficient (Kd): 1.700E-05 m<sup>3</sup>/kg  
 Molecular Diffusion Coefficient: 3.132E-06 m<sup>2</sup>/hr  
 First-Order Decay Coefficient: 0.000E+00 1/hr

Load	Begin (m)	End (m)	Begin (ft)	End(ft)
X-Direction	-1.581	1.581	-5.191	5.191
Y-Direction	-1.581	1.581	-5.191	5.191
Z-Direction	0.000	0.000	0.000	0.000

### INITIAL RESULTS

Retardation Factor: 1.110  
 Retarded Darcy Velocity: 3.892E-04 m/hr 1.081E-05 cm/sec  
 Retarded Longitudinal Disp. Coefficient: 8.520E-04 m<sup>2</sup>/hr  
 Retarded Lateral Dispersion Coefficient: 8.913E-05 m<sup>2</sup>/hr  
 Retarded Vertical Dispersion Coefficient: 1.907E-05 m<sup>2</sup>/hr

### Dissolved Concentrations in Plume



Depth (Z) = 0.00 meters, 0.00 feet.

Distribution in mg/l at 2190.00 days, 6.00 years.

Maximum concentration of 6.320E-01 mg/l (7.20 percent of the maximum concentration of 8.780E+00 mg/l).

Meters	0.00	5.00	10.00	15.00	20.00	25.00	30.00
Feet	0.00	16.42	32.83	49.25	65.67	82.08	98.50
0.00	0.00	2.980E-01	4.820E-01	6.320E-01	6.180E-01	4.430E-01	2.320E-01
0.00	0.00	1.280E-04					

### AT123D INPUT PARAMETERS

Effective Porosity: 0.250  
 Hydraulic Gradient: .003000 m/m  
 Hydraulic Conductivity: 3.600E-02 m/hr 1.000E-03 cm/sec  
 Soil Bulk Density: 1.580E+03 kg/m<sup>3</sup> 1.580E+00 g/cm<sup>3</sup>  
 Aquifer Width: 0.000E+00 m 0.000E+00 ft  
 Aquifer Depth: 0.000E+00 m 0.000E+00 ft

Dispersivities	Meters	Feet
Longitudinal:	2.16	7.09
Lateral:	0.20	0.66
Vertical:	0.02	0.07

Distribution Coefficient (Kd): 1.700E-05 m<sup>3</sup>/kg  
 Molecular Diffusion Coefficient: 3.132E-06 m<sup>2</sup>/hr  
 First-Order Decay Coefficient: 0.000E+00 1/hr

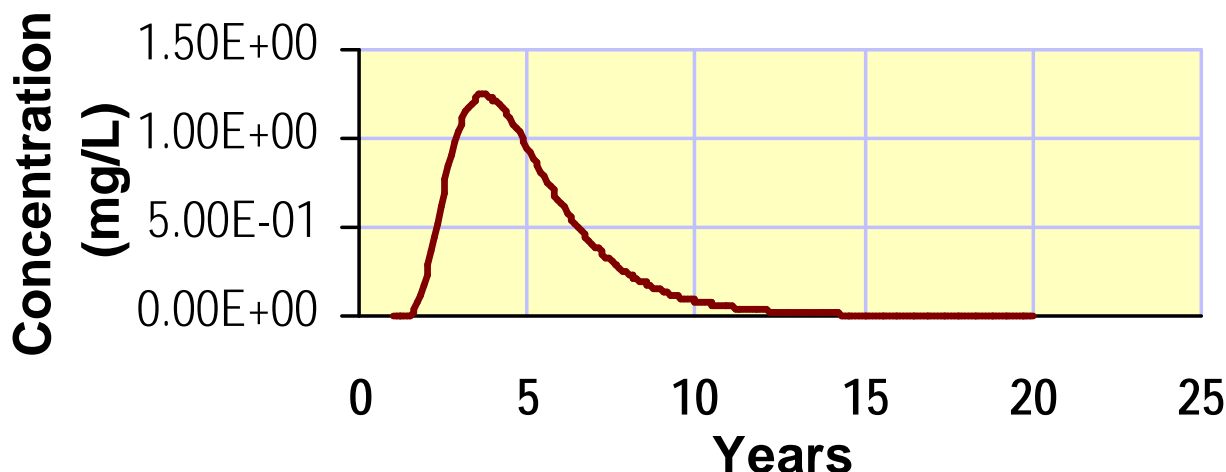
Load	Begin (m)	End (m)	Begin (ft)	End(ft)
X-Direction	-1.581	1.581	-5.191	5.191
Y-Direction	-1.581	1.581	-5.191	5.191
Z-Direction	0.000	0.000	0.000	0.000

### INITIAL RESULTS

Retardation Factor: 1.110  
 Retarded Darcy Velocity: 3.892E-04 m/hr 1.081E-05 cm/sec  
 Retarded Longitudinal Disp. Coefficient: 8.520E-04 m<sup>2</sup>/hr  
 Retarded Lateral Dispersion Coefficient: 8.913E-05 m<sup>2</sup>/hr  
 Retarded Vertical Dispersion Coefficient: 1.907E-05 m<sup>2</sup>/hr



## AT123D Point of Compliance Report



Maximum Concentration: 1.250E+00 mg/L  
 Year of Maximum Concentration: 3.58

### Output Coordinates

X: 10.00000 m      32.80800 ft      **Output Time Step:** 0.0833 years      1.0000 months  
 Y: 0.00000 m      0.00000 ft  
 Z: 0.00000 m      0.00000 ft

### Input Parameters

Porosity: 0.25000  
 Hydraulic Gradient: 0.00300  
 Hydraulic Conductivity: 3.600E-02 m/hr      1.000E-03 cm/sec  
 Soil Bulk Density: 1.580E+03 kg/m<sup>3</sup>      1.580E+00 g/cm<sup>3</sup>  
 Aquifer Width: Infinite m      Infinite ft  
 Aquifer Depth: Infinite m      Infinite ft  
 Kd: 1.700E-05 m<sup>3</sup>/kg      1.700E+00 (ug/g)(ug/ml)  
 Molecular Diffusion: 3.132E-06 m<sup>2</sup>/hr      8.700E-06 cm<sup>2</sup>/sec  
 Decay Coefficient: 0.000E+00 1/hr      0.000E+00 1/day  
 Retardation Factor: 1.110E+00  
 Retarded Darcy Velocity: 3.892E-04 m<sup>2</sup>/hr      1.081E-03 cm<sup>2</sup>/sec  
 Retarded Longitudinal Disp. Coefficient: 8.520E-04 m<sup>2</sup>/hr      2.366E-03 cm<sup>2</sup>/sec  
 Retarded Lateral Dispersion Coefficient: 8.913E-05 m<sup>2</sup>/hr      2.475E-04 cm<sup>2</sup>/sec  
 Retarded Vertical Dispersion Coefficient: 1.907E-05 m<sup>2</sup>/hr      5.297E-05 cm<sup>2</sup>/sec

Dispersivities	Meters	Feet	Load	Begin (m)	End (m)	Begin (ft)	End (ft)
Longitudinal:	2.160E+00	7.086E+00	X:	-1.581E+00	1.581E+00	-5.186E+00	5.186E+00
Lateral:	2.000E-01	6.561E-01	Y:	-1.581E+00	1.581E+00	-5.186E+00	5.186E+00
Vertical:	2.000E-02	6.561E-02	Z:	0.000E+00	0.000E+00	0.000E+00	0.000E+00

## Summary of SESOIL Modeling for Benzene in Milwaukee, Wisconsin

Description	SESOIL Output File	Percent Mass Volatilized	Percent Mass in Soil Air	Percent Mass Adsorbed On Soil	Percent Mass in Soil Moisture	Percent Mass in Groundwater Runoff (Recharge)	Percent Of Total Mass Input	Migration Rate (cm/yr)	Travel Time to Groundwater (yr)	Maximum Leachate Concentration (mg/l)	Monthly Infiltration Rate at Maximum Leachate Concentration (cm)	Year of Maximum Leachate Concentration	Koc	Porosity	Soil Organic Carbon Content
Milwaukee climatic data, Benzene Koc = 83	RUN01	85.82	0.2	3.03	0.23	10.69	99.97	693.4/9.08	9.08	1.417E+00	5.198	9.25	83	0.25	0.5
Milwaukee climatic data, Benzene Koc = 214	RUN02	83.06	0.4	16.02	0.46	0.00	99.94	647.8/20.00	21.53	*	5.198	*	214	0.25	0.5
Milwaukee climatic data, Benzene Koc = 31	RUN03	90.85	0.0	0.02	0.00	9.11	99.98	685.3/4.08	4.08	2.341E+00	5.198	4.25	31	0.25	0.5

\* A concentration could not be established, as the substance had not reached groundwater.

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SESOIL Climate Files	SESOIL Chemical Files	SESOIL Soil Files	SESOIL Application Files	SESOIL Execution Files	SESOIL Output Files	Description Of SESOIL Scenario	AT123D Input Files	AT123D Output Files	Description of AT123D Scenario
C:\SEVIEW\MILWAUKE.CLM	C:\SEVIEW\BENZENE.CHM	C:\SEVIEW\SAND.SOI	C:\SEVIEW\DEFAULT.APL	C:\SEVIEW\EXEC20.EXC	C:\SEVIEW\RUN01.OUT	Milwaukee climatic data, Benzene Koc = 83	C:\SEVIEW\RUN01.ATI	C:\SEVIEW\RUN01.ATO	Gradient = 0.003 ft/ft, Benzene Koc = 83
C:\SEVIEW\MILWAUKE.CLM	C:\SEVIEW\BENZ214.CHM	C:\SEVIEW\SAND.SOI	C:\SEVIEW\DEFAULT.APL	C:\SEVIEW\EXEC20.EXC	C:\SEVIEW\RUN02.OUT	Milwaukee climatic data, Benzene Koc = 214	C:\SEVIEW\RUN02.ATI	C:\SEVIEW\RUN02.ATO	Gradient = 0.003 ft/ft, Benzene Koc = 214
C:\SEVIEW\MILWAUKE.CLM	C:\SEVIEW\BENZ31.CHM	C:\SEVIEW\SAND.SOI	C:\SEVIEW\DEFAULT.APL	C:\SEVIEW\EXEC20.EXC	C:\SEVIEW\RUN03.OUT	Milwaukee climatic data, Benzene Koc = 31	C:\SEVIEW\RUN03.ATI	C:\SEVIEW\RUN03.ATO	Gradient = 0.003 ft/ft, Benzene Koc = 31

## SESOIL Climatic Input Files

### C:\SEVIEW\MILWAUKE.CLM

```
1 MILWAUKEE, GENERAL MITCHELL AIRPORT 1
**** YEAR 1 ****
TA 10.17 3.170 -4.22 -7.28 -5.00 0.720 6.890 12.56 18.33 21.61 20.72 16.50
NN 0.460 0.610 0.620 0.560 0.530 0.500 0.470 0.400 0.350 0.310 0.340 0.410
S 0.715 0.735 0.755 0.720 0.715 0.715 0.695 0.680 0.695 0.715 0.745 0.745
A 0.200 0.250 0.700 0.700 0.700 0.500 0.200 0.200 0.200 0.200 0.200 0.200
REP 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
MPM 6.120 6.380 5.920 4.060 3.680 6.780 8.890 7.210 8.230 8.810 8.970 8.590
MTR 0.450 0.510 0.570 0.540 0.530 0.540 0.490 0.390 0.330 0.310 0.270 0.350
MN 4.020 4.500 4.380 3.480 3.000 5.050 6.310 5.880 6.050 5.400 5.620 4.550
MT 30.40 30.40 30.40 30.40 30.40 30.40 30.40 30.40 30.40 30.40 30.40 30.40
999 END OF FILE
```

## SESOIL Chemical Input Files

### C:\SEVIEW\BENZ214.CHM

```
1 Benzene, Koc = 214
- SL,DA,H,KOC,K 1750.00 0.0885.57E-3 214.00 0.0
- MWT,VAL,KNH,KBH,KAH 78.11 0.0 0.0 0.0 0.0
- KDEL,KDES,SK,B,MWTLIG 0.0 0.0 0.0 0.0 0.0
999 END OF FILE
```

### C:\SEVIEW\BENZ31.CHM

```
1 Benzene, Koc = 31
- SL,DA,H,KOC,K 1750.00 0.0885.57E-3 31.0 0.0
- MWT,VAL,KNH,KBH,KAH 78.11 0.0 0.0 0.0 0.0
- KDEL,KDES,SK,B,MWTLIG 0.0 0.0 0.0 0.0 0.0
999 END OF FILE
```

### C:\SEVIEW\BENZENE.CHM

```
1 Benzene
- SL,DA,H,KOC,K 1780.00 0.0770.00555 83.00 0.00
- MWT,VAL,KNH,KBH,KAH 78.11 0.00 0.00 0.00 0.00
- KDEL,KDES,SK,B,MWTLIG 0.00 0.00 0.00 0.00 0.00
999 END OF FILE
```

## SESOIL Soil Input Files

### C:\SEVIEW\SAND.SOI

```
1 Sand, Perm = 1.00E-3 cm/sec
- RS,K1,C,N,OC 1.701.0E-08 4.00 0.25 0.50
- CEC,FRN 0.00 1.00
999 END OF FILE
```

## Execution Input Files

### C:\SEVIEW\EXEC20.EXC

```
RUN OPTN CLIM SOIL CHEM WASH APPL YRS
1 M 1 1 1 0 120
999
```







